



WITH RESILIENCE

## **ABOUT THIS REPORT**

This report is the sustainability report of Pacific Radiance Ltd ("PRL" or the "Company") and its subsidiaries (collectively the "Group") for the financial year ended 31 December 2022 ("FY2022") (the "Sustainability Report FY2022"). It has been prepared in accordance with the sustainability reporting guidelines of The Singapore Exchange Ltd ("SGX") and recommendations of the Task Force on Climate-related Financial Disclosures ("TCFD"). It has also been prepared with reference to the Global Reporting Initiative ("GRI") standards.

Our stakeholders are advised to read the Company's annual report for FY2022 (the "Annual Report FY2022"), available at www.pacificradiance.com/ir\_investor\_financial.html, for more information on the Group.

The Group publishes its sustainability report annually. This is the first year that the Group adopts SGX ESGenome disclosure platform to prepare and publish its sustainability report. The format of the Sustainability Report FY2022 follows closely the report format generated from SGX ESGenome based on the responses provided by the Group on the platform. The Group has responded to all the questions in the environmental, social and governance ("ESG") metrics for SGX Core and TCFD on the platform and all the responses are reproduced in this report. The responses are also mapped to the GRI standards and presented in the form of the GRI Content Index table in this report. The ESG metrics for SGX Core and TCFD overlap in some areas, hence the SGX Core and TCFD sections of this report contain certain questions and responses that are similar.

We welcome any feedback on this report. Please direct your feedback to IR@pacificradiance.com.



# **CONTENTS**

## Introduction

•	Board Statement	2
•	Identification of Material ESG Factors	2
•	Material ESG Factors	4
•	Stakeholder Engagement	7
E	nvironmental	
•	Greenhouse Gas Absolute Emissions	8
•	Emission Intensity	8
•	Energy Consumption and Intensity	9
•	Water Consumption and Intensity	10
S	ocial	
•	Gender Diversity	15
G	Gender Diversity  overnance	15
G		15 19
G	overnance	
•	overnance  Board Independence	19
•	Board Independence Female Board Members	19 19
•	Board Independence Female Board Members Assurance of Sustainability Report	19 19



#### **BOARD STATEMENT**

The board of directors (the "Board") of PRL oversees and sets the strategic direction of the Group in relation to sustainability issues and is fully committed towards sustainable corporate practices. It ensures that sustainability issues, including climate-related issues, are considered when formulating strategies, policies and goals. It determines the sustainability framework of the Group, the material ESG factors that create significant long-term impact due to the Group's activities and business relationships and the goals and targets related to the material ESG factors.

Our sustainability framework focuses on incorporating environmental causes into our operations, integrating staff needs into our planning and contributing towards local communities in pursuit of economic sustainability for our stakeholders.

In November 2022, the scope of the audit committee of the Board was expanded and the audit committee ("AC") was renamed as the audit and sustainability committee ("ASC") to provide greater focus in overseeing sustainability issues. The ASC roles are to review and make recommendations to the Board on material ESG factors, ensure that climate-related risks and opportunities identified are assessed and managed, ensure proper governance is in place for sustainability matters, monitor the implementation and progress towards sustainability goals and targets, ensure compliance with ESG related laws, rules and regulations, and review the sustainability report and recommend it to the Board for approval, amongst other.

The management executive committee of the Group (the "Management") is responsible for driving sustainability issues and implementing the sustainability goals and targets across

the Group. It works closely with senior members of different departments to execute and monitor the sustainability goals and targets as well as to report on the sustainability efforts of the Group.

The Board supports the TCFD recommendations on climate-related disclosures and this year marks the first year that the Group is incorporating TCFD recommendations in our sustainability report.

The Board also welcomes the initiative by The Monetary Authority of Singapore and SGX to simplify, standardise and improve corporate disclosures, enhance stakeholder access and use of consistent and comparable ESG and climate-related data. The Group has adopted SGX ESGenome disclosure platform to prepare and publish its sustainability report for FY2022.

## IDENTIFICATION OF MATERIAL ESG FACTORS

The Board, supported by an external consultant, conducted a materiality assessment in 2017 with reference to the principles of the GRI standards to determine the material ESG factors and the reporting goals in the context of the Group's activities and business relationships. A high-level exercise was first carried out by the Board to consider a universe of ESG factors and to shortlist the key ESG factors that create significant long-term impact due to the Group's activities and business relationships. Thereafter, feedback from the Management and employees was sought and the results were validated to arrive at the final list of key ESG factors. A review of these material ESG factors, along with the associated risks and opportunities, was conducted following the shift in strategic direction of the Group from ship owner and operator to ship management activities in FY2022.



The Board has determined that the following material ESG factors remain relevant:

#### · Environmental management

Controlling carbon and other greenhouse gas emission is critical to mitigating the adverse impacts of climate change. Increased frequency and intensity of extreme weather events can cause disruption to offshore operations, damage to assets, and threaten workplace safety. Responsible offshore operations can reduce pollution to the air as well as pollution and damage to the marine environment.

#### · Resource management

Improve fuel efficiency in our operations and adopt low-carbon alternative energy sources as they become economically and operationally viable are key to reduce our carbon footprint.

### · Human capital management

As we pivot to an asset-light business model, with a focus on providing ship management services to support offshore activities, our people are our key assets as the quality of our workforce and employee overall well-being have a direct impact on our performance and success.

### · Health and safety management

Workplace safety for our employees and customers is our utmost priority, as safety lapses can lead damaging economic and environmental impact as well as fatalities and injuries.

#### Economic sustainability

Achieving economic sustainability will allow us to generate employment for our employees, create business opportunities for local suppliers, provide quality services to our customers, create return to our capital providers as well as contribute towards other social causes for the long-term.



### **MATERIAL ESG FACTORS**

#### **Material ESG Factors**

# Environmental management

## (a) Policies, Practices and Performance

We are committed to minimizing the negative impact to our environment. We support international efforts to reduce carbon emission and Singapore government's aim to achieve net zero emission by 2050. Our goal is to reduce carbon footprint at all levels of our operations. With respect to vessel operations: We adhere to ISO 14001 (environment management system) and follow International Maritime Organisation ("IMO") regulations and conventions on environmental management.

(i) Greenhouse gas management

We operate according to International Convention for the Prevention of Pollution from Ships ("MARPOL") that regulates air pollution and emission from vessels. We procure fuel oil that is compliant with the upper limit of 0.5% of sulphur content set by IMO 2020 to reduce the amount of sulphur oxide emanating from vessels.

(ii) Effluents and waste management

We operate according to MARPOL for prevention of pollution of the marine environment from operational or accidental causes. We follow International Convention for the Control and Management of Ships' Ballast Water and Sediments ("BWM Convention") management procedures to prevent the spread of potentially harmful aquatic organisms and pathogens in ballast water disposed from vessels.

(iii) Spill management

Our crew attends training on Oil Pollution Preparedness, Response and Co-operation ("OPRC") courses developed by IMO to deal with pollution incidents. With respect to shipyard and other corporate activities, we are committed to reduce waste at all levels of our operations. Our employees adopt lean practices to minimize waste generation. We sort, label and store hazardous and non-hazardous waste generated from our operations and engage waste management firms to recycle, treat and dispose our waste.

#### (b) Targets

- (i) Net 30% reduction in emission intensity (Scope 1 and 2).
- (ii) Achieve 50% waste recovery.
- (iii) Zero oil pollution incident.

#### (c) Risks and Opportunities

- (i) Controlling carbon and other greenhouse gas emission is critical to mitigating the adverse impacts of climate change. Increased frequency and intensity of extreme weather events can cause disruption to offshore operations, damage to assets, and threaten workplace safety. This will lead to higher capital expenses and operating expenses associated with asset replacement and repair, lost work time, and workplace insurance. Crew can be better equipped with training on workplace safety and incident management to avoid or respond to incidents and injuries to mitigate such risks.
- (ii) Higher temperatures will lead to increase in energy consumption to moderate temperature at workplace. This will result in higher operating expenses and overheads related to energy and electricity costs. This can be mitigated by improving energy efficiency of our operations and use of low-carbon alternative energy sources as they become operationally and economically more viable.
- (iii) Regulations aimed at reducing carbon emissions and mitigating the effects of climate change will increase compliance costs in the form of carbon taxes and carbon credits, as well as costs associated with managing and reporting of regulatory compliance matters. To this end, we will step up our engagement and work in collaboration with stakeholders to reduce our carbon footprint across the value chain.



## **MATERIAL ESG FACTORS (CONT'D)**

#### **Material ESG Factors**

# Resource management

#### (a) Policies, Practices and Performance

Energy efficiency

We strive to improve energy efficiency in our operations. We follow IMO regulations and conventions in our vessel operations. We adopt the Ship Energy Efficiency Management Plan ("SEEMP") to improve energy efficiency of vessels. Best practices adopted for fuel efficiency:

- (i) Fuel efficient operations
  - · vessels with electric propulsion
  - improved voyage planning
  - weather routing
  - · just-in-time arrival
  - speed optimization
- (ii) Optimised ship handling
  - · optimum trim
  - optimum ballast
  - · optimum use of rudder and control systems
- (iii) Hull maintenance
  - · propulsion system maintenance
- (iv) Vessel automation
  - shipboard automation systems that allow real time monitoring of fuel consumption and comparison across fleet to ensure optimal fuel usage

We create environmental awareness at workplace and make conscious efforts to reduce electricity consumption to lower our carbon footprint.

Low-carbon alternatives

We support the use of low-carbon alternative energy sources to fuel oil as they become operationally and economically viable. We are increasing our stakeholders engagement, in particular with our ship management customers, on this front. We are also stepping up efforts to diversify into low-carbon or renewable energy activities.

### (b) Targets

50% reduction in energy consumption intensity.

### (c) Risks and Opportunities

- (i) Shift from fossil fuels to cleaner energy sources will lead to a decrease in demand for fossil fuel over time. The decline in revenue derived from oil and gas activities can be mitigated by diversifying revenue sources to include energy transition opportunities, such as decommissioning of oil and gas infrastructure and installation of renewable energy infrastructure.
- (ii) As cleaner energy sources become economically and operationally viable due to emerging new technologies, such as improved battery storage, the shift from fossil fuels may accelerate. While this may shorten the energy transition period, the growth in renewable energy activities will present new revenue opportunities.
- (iii) Conversely, the availability of more economically viable alternative energy sources will mitigate higher operating expenses and overheads related to energy and electricity costs, as consumption increases due to rising temperatures.



## **MATERIAL ESG FACTORS (CONT'D)**

### **Material ESG Factors**

# Human capital management

#### (a) Policies, Practices and Performance

Our people are our key assets and has a direct impact on our performance and success. We strive to be the employer of choice with high employee retention rate and a quality workforce. We abide by the guidelines of Tripartite Alliance for Fair and Progressive Employment Practices (TAFEP), an agency set up by Ministry of Manpower, National Trades Union Congress, and Singapore National Employers Federation to promote the adoption of fair, responsible and progressive employment practices. Our human resource practices also encourage training and development, support talent attraction and retention, and offer benefits and flexible work arrangement that promote overall well-being of our employee.

#### (b) Targets

Less than 20% in employee turnover.

#### (c) Risks and Opportunities

Public perception of associating offshore operations with oil and gas activities may constrain our ability to attract and retain talent as we pursue our energy transition plan to transform into a low-carbon footprint business. We will increase our stakeholder engagement to communicate the sustainability vision, strategy and plans of the Group.

### Health and safety management

#### (a) Policies, Practices and Performance

Workplace safety for our employees and customers is our utmost priority. Our target is to be a responsible industry player that delivers quality services to our customers with zero incident, fatality and injury. We adhere to International Convention for the Safety of Life at Sea ("SOLAS") standards in our vessel management and vessels carry medical and equipment in good supplies that meet the requirements of the standards.

Our safety risk management committee meets regularly to review safety lapses and enforce remediation actions. Our crew attends health and safety related training, including all Standards of Training, Certification and Watchkeeping for Seafarers ("STCW") related training. On an ongoing basis, our crew receives safety coaching onboard the vessels, housekeeping, hygiene and environmental awareness are topics included in such sessions.

Group-wide safety briefing is conducted regularly to familiarize all staff with the Workplace Safety and Health (Risk Management) Regulations and the Risk Assessment Management System of the Group. As an attestation of our commitment to workplace safety, we currently hold bizSAFE Level 3 certification from the Workplace Safety and Health Council, a statutory board under the Ministry of Manpower.

### (b) Targets

Zero incident and fatality.

#### (c) Risks and Opportunities

Increased frequency and intensity of extreme weather events and rising temperatures present health and safety risks and can lead to incidents, fatalities and injuries. This will lead to higher capital expenses and operating expenses associated with asset replacement and repair, lost work time, and workplace insurance. Employees can be better equipped with training on workplace safety and incident management to avoid or respond to incidents and injuries to mitigate such risks.



## **MATERIAL ESG FACTORS (CONT'D)**

#### **Material ESG Factors**

# Economic sustainability

#### (a) Policies, Practices and Performance

We are committed to achieve economic sustainability so as to continue to generate employment for our employees, create business opportunities for local suppliers, provide quality services to our customers, create return to our capital providers as well as contribute towards other social causes for the long term.

#### (b) Targets

- (i) 50% of total revenue derived from low-carbon or renewable business activities.
- (ii) Positive economic value added.

### (c) Risks and Opportunities

Offshore oil and gas activities face a changing business environment as the world moves towards a low-carbon economy. Although the demand for fossil fuels may decrease over time, it is likely to remain strong for the near term. In this regard, the Group seeks to provide high-quality services that help to improve efficiency and reduce operating costs for offshore oil and gas our customers. At the same time, the Group will tap on opportunities during this energy transition period to provide services for the decommissioning of old oil and gas infrastructure and installation of new renewable energy infrastructure. Over a longer term, the Group is committed to leverage on its experience and expertise in offshore operations and transform into a low-carbon footprint business.

### STAKEHOLDER ENGAGEMENT

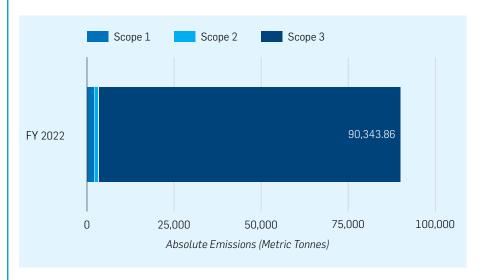
	Stakeholder Engagement
Employees	(a) One-to-one employee goal setting, performance review and feedback sessions
	(b) Weekly/monthly department meetings
	(c) Monthly management and department heads meetings
	(d) Town hall meetings
	(e) Employee survey
	(f) Training programmes
Customers	(a) Customer survey
	(b) Regular dialogues, meetings and site visits
Suppliers	(a) Supplier survey
	(b) Regular dialogues, meetings and site visits
Capital	(a) Feedback through dedicated investor email IR@pacificradiance.com
Providers	(b) Public communication via corporate website and SGXNet
	(c) Shareholder meetings
Governments	(a) Periodic visits and meetings
and regulators	(b) Industry forums
	(c) Support for government initiatives



## **ENVIRONMENTAL**

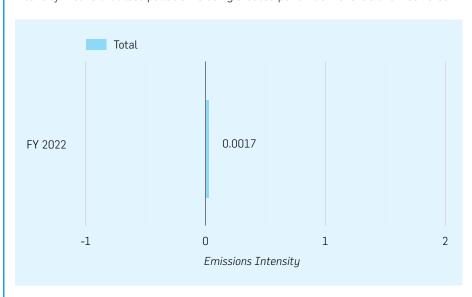
#### **GREENHOUSE GAS ABSOLUTE EMISSIONS**

**Greenhouse gas emissions** from human activities contribute to the greenhouse effect, causing climate change. Carbon dioxide accounts for over 70% of total greenhouse gas emissions and it is caused by burning fossil fuels: oil, and natural gas. For FY2022, the Group's Scope 1 and 2 emission was 3,356.86 metric tonnes, and Scope 3 emission was 86,987 metric tonnes. Scope 1 covers direct emission from vessels own and operate by the Group. Scope 2 covers indirect emission from purchased electricity or fuel for electricity generation. Scope 3 covers emission from third-party vessels manage by the Group.



#### **EMISSION INTENSITY**

**Emission intensity** is the volume of emissions per unit of revenue. Reducing emission intensity means that less pollution is being created per unit of revenue and vice versa.



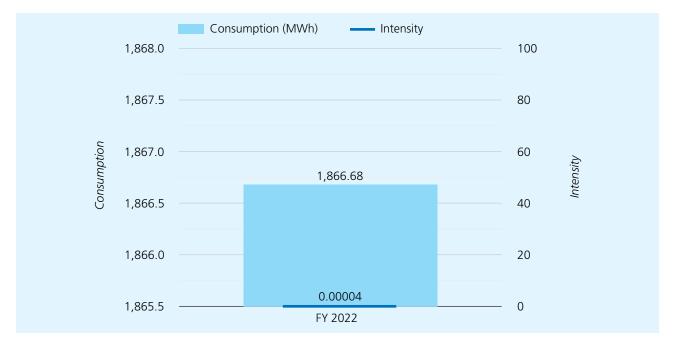
#### **Emission Intensity Notes**

FY 2022: (i) Emission intensity (Metric Tonnes per unit of revenue) = Emission (Scope 1, 2, and 3) (Metric Tonnes)/Revenue (SGD) (ii) Exchange rate = USD1:SGD1.3446



#### **ENERGY CONSUMPTION AND INTENSITY**

**Energy consumption** is the amount of energy or power used, whilst **energy intensity** is measured by the quantity of energy required per unit of revenue, so that using less energy to generate revenue reduces the intensity and vice versa. For FY2022, the Group's energy consumption was 1,866.68 MWh and it comprised electricity and fuel for electricity generation purchased by the Group.



## **Energy Intensity Notes**

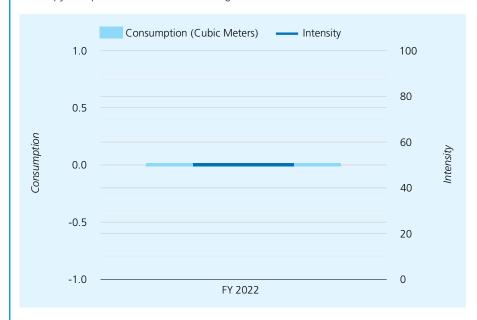
FY 2022: (i) Energy consumption intensity (MWh per unit of revenue) = Total energy consumption (MWh)/Revenue (SGD) (ii) Exchange rate = USD1:SGD1.3446



## **ENVIRONMENTAL**

## **WATER CONSUMPTION AND INTENSITY**

**Water consumption** is the portion of water use that is not returned to the original water source, whilst **intensity** calculates the water consumed per unit of revenue. For FY2022, the Group received potable water and NEWater (treated waste water) at its office and shipyard premises drawn from local catchment, imported water, NEWater (treated waste water) and desalinated seawater. Potable water was used for general consumption and was discharged to the national sewerage system. NEWater was used for shipyard operations and was discharged to the sea.



### **Water Consumption Notes**

FY 2022: Total water consumption = Total water withdrawal – Total water discharge



SGX CORE 1A) GHG (CO2) ABSOLUTE EMISSIONS - TOTAL

FY 2022

90,343.86 Metric Tonnes

**2022 Latest Explain/Notes**: Total absolute emissions is the combined Scope 1, 2 and 3 emissions.

SGX CORE 1B) GHG (CO2) ABSOLUTE EMISSIONS - SCOPE 1

FY 2022

2,234 Metric Tonnes

SGX CORE 1C) GHG (CO2) ABSOLUTE EMISSIONS - SCOPE 2 (LOCATION-BASED)

FY 2022

1,122.86 Metric Tonnes

SGX CORE 1D) GHG (CO2) ABSOLUTE EMISSIONS – SCOPE 2 (MARKET-BASED)

FY 2022

**O Metric Tonnes** 

SGX CORE 1E) GHG (CO2) ABSOLUTE EMISSIONS - SCOPE 3

FY 2022

86,987 Metric Tonnes



## SGX CORE 2A) GHG (CO2) EMISSIONS INTENSITY – TOTAL

**DATE**: FY 2022

Total GHG (CO2) Emissions	Organisational Metric Used to Calculate Intensity	Total Revenue	Total Emissions Intensity (by Revenue)	Total Organisational Headcount (Number of Employees)	Total Emissions Intensity (by Total Headcount)	Total Organisational Floor Area	Total Emissions Intensity (by Total Floor Area)	What is the Organisational Metric Being Used as the Denominator to Calculate Emissions Intensity?	Total Units, or Total Annual Amount (of 'Other' Organisational Metric)	Total Emissions Intensity (by 'Other' Organisational Metric)
0U 3V3 8E	Dovonuo	51,932,490	0.0017							

2022 Latest Explain/Notes: (i) Emission intensity (Metric Tonnes per unit of revenue) = Total emission (Scope 1, 2, and 3) (Metric Tonnes)/Revenue (SGD) (ii) Exchange rate = USD1:SGD1.3446

## SGX CORE 2B) GHG (CO2) EMISSIONS INTENSITY - SCOPE 1

SGD

0.0017

**DATE**: FY 2022

90.343.86

Revenue

Scope 1 GHG Emissions	Organisational Metric Used to Calculate Intensity	Total Revenue	Scope 1 Emissions Intensity (by Revenue)	Total Organisational Headcount (Number of Employees)	Scope 1 Emissions Intensity (by Total Headcount)	Total Organisational Floor Area	Scope 1 Emissions Intensity (by Total Floor Area)	What is the Organisational Metric Being Used as the Denominator to Calculate Emissions Intensity?	Total Units, or Total Annual Amount (of 'Other' Organisational Metric)	Total Emissions Intensity (by 'Other' Organisational Metric)
2,234	Revenue	51,932,490 SGD	0.000043							

2022 Latest Explain/Notes: (i) Emission intensity (Metric Tonnes per unit of revenue) = Emission (Scope 1) (Metric Tonnes)/Revenue (SGD) (ii) Exchange rate = USD1:SGD1.3446

## SGX CORE 2C) GHG (CO2) EMISSIONS INTENSITY - SCOPE 2

**DATE**: FY 2022

Scope 2 GHG Emissions	Organisational Metric Used to Calculate Intensity	Total Revenue	Scope 2 Emissions Intensity (by Revenue)	Total Organisational Headcount (Number of Employees)	Scope 2 Emissions Intensity (by Total Headcount)	Total Organisational Floor Area	Scope 2 Emissions Intensity (by Total Floor Area)	What is the Organisational Metric Being Used as the Denominator to Calculate Emissions Intensity?	Total Units, or Total Annual Amount (of 'Other' Organisational Metric)	Total Emissions Intensity (by 'Other' Organisational Metric)
1,122.86	Revenue	51,932,490 SGD	0.000022							

**2022 Latest Explain/Notes**: (i) Emission intensity (Metric Tonnes per unit of revenue) = Emission (Scope 2) (Metric Tonnes)/Revenue (SGD) (ii) Exchange rate = USD1:SGD1.3446



### SGX CORE 2D) GHG (CO2) EMISSIONS INTENSITY - SCOPE 3

**DATE**: FY 2022

Scope 3 GHG Emissions	Organisational Metric Used to Calculate Intensity	Total Revenue	Scope 3 Emissions Intensity (by Revenue)	Total Organisational Headcount (Number of Employees)	Scope 3 Emissions Intensity (by Total Headcount)	Total Organisational Floor Area	Scope 3 Emissions Intensity (by Total Floor Area)	What is the Organisational Metric Being Used as the Denominator to Calculate Emissions Intensity?	Total Units, or Total Annual Amount (of 'Other' Organisational Metric)	Total Emissions Intensity (by 'Other' Organisational Metric)
86,987	Revenue	51,932,490 SGD	0.0017							

**2022 Latest Explain/Notes**: (i) Emission intensity (Metric Tonnes per unit of revenue) = Emission (Scope 3) (Metric Tonnes)/Revenue (SGD) (ii) Exchange rate = USD1:SGD1.3446

### **SGX CORE 3) TOTAL ENERGY CONSUMPTION**

### FY 2022

1,866.68 MWh

### **SGX CORE 4) ENERGY CONSUMPTION INTENSITY**

#### **FY 2022**

0.00004

**2022 Latest Explain/Notes**: (i) Energy consumption intensity (MWh per unit of revenue) = Total energy consumption (MWh)/Revenue (SGD) (ii) Exchange rate = USD1:SGD1.3446

## **SGX CORE 5) TOTAL WATER CONSUMPTION**

## FY 2022

O Cubic Meters

2022 Latest Explain/Notes: Total water consumption = Total water withdrawal - Total water discharge

## **SGX CORE 6) WATER CONSUMPTION INTENSITY**

#### **FY 2022**

0

**2022 Latest Explain/Notes**: (i) Water consumption intensity (Cubic Meters per unit of revenue) = Total water consumption (Cubic Meters)/Revenue (SGD) (ii) Exchange rate = USD1:SGD1.3446



## **SGX CORE 7) TOTAL WASTE GENERATED**

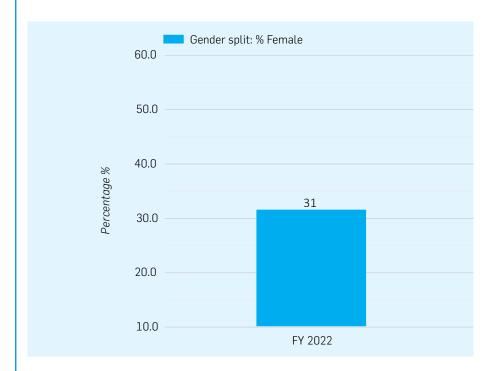
Waste Composition	Hazardous Waste Generated	Non-hazardous Waste Generated
Biomass	Omt	0mt
Textiles	0mt	Omt
Metals	Omt	340mt
Non-metalic minerals	912mt	730mt
Plastics	Omt	0.063mt



## SOCIAL

## **GENDER DIVERSITY**

**Gender diversity** in a workplace means that men and women are hired at a comparable rate, paid evenly, and given the same working opportunities with equal promotions. For FY2022, women account for 31% of the workforce of the Group.





# **SGX CORE SOCIAL QUESTIONS**

## SGX CORE 8, 10 & 22) CURRENT EMPLOYEES BY EMPLOYEE CATEGORY, GENDER AND AGE GROUP

**DATE**: FY 2022

Employee Category	Number of Employees per Selected Employee Category	i. a) Percentage Male	i. b) Percentage Female	Total Percentage of Employees by Gender	ii. a) Percentage Under 30 Years Old	ii. b) Percentage 30-50 Years Old	ii. c) Percentage Over 50 Years Old	Total Percentage of Employees by Age Group	iii. a) Percentage defined within a Disability Group	iii. b) Percentage defined as a Minority Group
Technical	9	6	0	6	0	6	0	6	0	0
Non-management	51	10	24	34	5	24	5	34	0	0
Senior management	7	4	1	5	0	2	3	5	0	0
Administrative	7	2	3	5	0	0	5	5	0	0
Production	53	36	0	36	5	27	4	36	0	0
Middle management	20	11	3	14	0	10	4	14	0	0

## SGX CORE 9 & 11) NEW HIRES BY GENDER AND AGE GROUP

Region	Gender	Total Number of New Employee Hires Under 30 Years Old	Total Number of New Employee Hires 30-50 Years Old	Total Number of New Employee Hires Over 50 Years Old	Rate of New Employee Hires Under 30 Years Old	Rate of New Employee Hires 30-50 Years Old	Rate of New Employee Hires Over 50 Years Old	Total Number of New Hires
Asia (except Japan)	Male	8	22	1	25.81	70.97	3.23	31
Asia (except Japan)	Female	5	10	1	31.25	62.5	6.25	16

# **SGX CORE SOCIAL QUESTIONS**

## SGX CORE 9, 11 & 12) EMPLOYEE TURNOVER BY GENDER, AGE GROUP AND TOTAL TURNOVER

**DATE**: FY 2022

Region	Gender	Total Employee Turnover Under 30 Years Old	Total Employee Turnover 30-50 Years Old	Total Employee Turnover Over 50 Years Old	Rate of Employee Turnover Under 30 Years	Rate of Employee Turnover 30-50 Years Old	Rate of Employee Turnover Over 50 Years Old	Total Turnover Number
Asia (except Japan)	Male	1	5	1	14.29	71.43	14.29	7
Asia (except Japan)	Female	3	2	0	60	40	0	5

## **SGX CORE 13) TOTAL NUMBER OF EMPLOYEES**

**DATE**: FY 2022

Gender	Permanent	Temporary
Male	101	1
Female	42	3

## SGX CORE 14 & 15) AVERAGE TRAINING HOURS PER EMPLOYEE

Average hours of training undertaken per male employee	Average hours of training undertaken per female employee	Average hours of training undertaken per senior management employee	Average hours of training undertaken by middle management employees	undertaken by non- management	Average hours of training undertaken by technical employees	Average hours of training undertaken by administrative employees	of training undertaken
26h	6h	5h	37h	13h	30h	27h	20h



## SGX CORE SOCIAL QUESTIONS

## SGX CORE 16, 17 & 18) WORK-RELATED INJURIES AND FATALITIES

**DATE**: FY 2022

i. a) The Number of Fatalities as a Result of Work-related Injury	i. b) The Rate of Fatalities as a Result of Work-related Injury	ii. a) The Number of High- consequence Work-related Injuries (Excluding Fatalities)	ii. b) The Rate of High- consequence Work-related Injuries (Excluding Fatalities)	iii. a) The Number of Recordable Work-related Injuries	iii. b) The Rate of Recordable Work-related Injuries	iv. The Main Types of Work- related Injury	v. The Number of Hours Worked
0	0	0	0	9	64.46	Cuts and bruises	27,923h

**2022 Latest Explain/Notes**: Rate of recordable work-related injuries = Number of recordable work-related injuries  $\div$  Number of hours worked x 200,000. Rate is calculated based on 200,000 hours worked and it indicates the number of work-related injuries per 100 full-time workers over a one-year timeframe, based on the assumption that one full-time worker works 2,000 hours per year.

## **SGX CORE 19) WORK-RELATED ILL HEALTH CASES**

i. The Number of Fatalities as a Result of Work-related ill Health		iii. The Main Types of Work-related ill Health
0	0	0



## **GOVERNANCE**

#### **BOARD INDEPENDENCE**

**Board independence** occurs when a board member has not been and is not currently employed by the Company or its auditor and the board member's employer doesn't do a significant amount of business with the Company.

(i) Is independence a new board member	orimary consideration during the selection process for s of the Company?	Yes
(ii) How many board m	embers does the Company have?	6
(iii) How many of those	members are independent directors?	3
(iv) The percentage of	directors who are independent board members	50

#### **FEMALE BOARD MEMBERS**

**Board diversity** aims to cultivate a broad spectrum of demographic attributes and characteristics in the boardroom. A simple and common measure to promote heterogeneity in the boardroom – commonly known as gender diversity – is to include female representation on the board. The Company does not have any female representation on the board at the moment. As disclosed in page 17 of the Annual Report FY2022, the nominating committee of the Board has set the objective to identify and recommend suitable female director for appointment to the Board to further promote diversity of perspectives and ideas, at the appropriate time.

#### **ASSURANCE OF SUSTAINABILITY REPORT**

**Level of Assurance** – Internal assurance

The scope of internal audit covers the review of the following: (i) established policies and procedures (ii) completeness of the primary components of sustainability report as set out in SGX Listing Manual Section 711B(1) (iii) reporting scope and boundaries (iv) identification and selection of material ESG factors, including its relevancy to the industry and business of the Group (v) selection and approval of sustainability reporting framework (vi) performance information collation process, including responsibilities of each data provider (vii) review of disclosure against SGX Core ESG metrics.

#### Reference to the external assurance report, statements, or opinions

Not applicable.

## **Relationship to Assurer**

RSM Risk Advisory Pte Ltd ("RSM") was engaged by the Company to conduct an internal audit review of this report. RSM is an independent third party not related to the Group.

### How senior executives are involved in external assurance

Not applicable.



## **SGX CORE 20A) BOARD INDEPENDENCE**

**DATE**: FY 2022

i) Is Independence a Primary Consideration During the Selection Process for New Board Members of the Company?	ii) How Many Board Members Does the Company Have?	iii) How Many of Those Members are Independent Directors?	iv) The Percentage of Directors Who Are Independent Board Members
Yes	6	3	50

## **SGX CORE 20B) BOARD COMPOSITION**

Member	i. Executive or Non-executive	ii. Independence	iii. Tenure on the Governance Body	iv. a) Number of Each Individual's Other Significant Positions and Commitments	iv. b) The Nature of the Commitments	v. Gender	vi. Membership of Under- represented Social Groups	vii. Competencies Relating to Economic, Environmental, and Social Topics	viii. Stakeholder Representation
Pang Yoke Min	Executive	No	16	Refer to Notes	Refer to Notes	Male	Not applicable	Attended ESG course conducted by Singapore Institute of Directors and sessions conducted by external consultant.	Not applicable
Pang Wei Meng	Executive	No	16	Refer to Notes	Refer to Notes	Male	Not applicable	Attended ESG course conducted by Singapore Institute of Directors and sessions conducted by external consultant.	Not applicable
Lau Boon Hwee	Executive	No	9	Refer to Notes	Refer to Notes	Male	Not applicable	Attended ESG course conducted by Singapore Institute of Directors and sessions conducted by external consultant.	Not applicable
Ng Tiong Gee	Non- executive	Yes	9	Refer to Notes	Refer to Notes	Male	Not applicable	Attended ESG course conducted by Singapore Institute of Directors and sessions conducted by external consultant.	Not applicable
Goh Chong Teng	Non- executive	Yes	9	Refer to Notes	Refer to Notes	Male	Not applicable	7 100011000 200 0001100	Not applicable

Member	i. Executive or Non-executive	ii. Independence	iii. Tenure on the Governance Body	iv. a) Number of Each Individual's Other Significant Positions and Commitments	iv. b) The Nature of the Commitments	v. Gender	vi. Membership of Under- represented Social Groups	vii. Competencies Relating to Economic, Environmental, and Social Topics	viii. Stakeholder Representation
Yong Yin Min	Non- executive	Yes	9	Refer to Notes	Refer to Notes	Male	Not applicable	Attended ESG course conducted by Singapore Institute of Directors and sessions conducted by external consultant.	Not applicable

**2022 Latest Explain/Notes**: The number and nature of each director's other significant positions and commitments are provided in the Annual Report FY2022 – Board of Directors and Executive Officers section.

## SGX CORE 21) WOMEN ON THE BOARD

Number of Individuals in the Organization's Governance Body	i. a) Percentage Male	i. b) Percentage Female	Total Percentage of Employees by Gender	ii. a) Percentage Under 30 Years Old	ii. b) Percentage 30-50 Years Old	ii. c) Percentage Over 50 Years Old	Total Percentage of Employees by Age Group	iii. a) Percentage defined within a Disability Group	iii. b) Percentage defined as a Minority Group
6	100	0	100	0	16.67	83.33	100	0	0



# SGX CORE 23A) ANTI-CORRUPTION DISCLOSURES – OPERATIONS ASSESSED FOR RISKS RELATED TO CORRUPTION

#### FY 2022

The Group's system of internal controls and risk management include policies and processes to identify and mitigate operational risks related to corruption.

The Board, supported by the ASC, oversees the system of internal control and risk management. The Board acknowledges that it is responsible for maintaining a sound system of internal control and risk management, but recognises that no cost-effective internal control and risk management system will preclude all errors and irregularities. Internal controls and risk management can provide only reasonable and not absolute assurance against material misstatement, losses, human errors, fraud, corruption or other irregularities.

The Management is responsible to the Board for the design, implementation, and monitoring of the Group's internal control and risk management system. The Management conducts enterprise risk assessment at both the corporate and business unit level to identify the key risks that would impact the achievement of the Group's strategies and business objective and provides the Board with the basis to determine the Group's level of risk tolerance and risk policies.

The internal auditor is responsible for assessing the reliability, adequacy and effectiveness of the system of internal control and risk management that are in place to protect the assets of the Group, ensuring control procedures are complied with, assessing if the operations of the business processes under review are conducted efficiently and effectively, and identifying and recommending improvements to internal control procedures, where required. The internal auditor plans its internal audit schedules in consultation with, but independent of, the Management. The internal audit plan is submitted to the ASC for approval prior to the commencement of the internal audit. The ASC will review the activities of the internal auditor, including overseeing and monitoring of the implementation of improvements required for internal control weaknesses identified. The Board and the ASC work with the internal auditor, as well as the external auditor, and the Management on the auditors' recommendations to institute and execute relevant controls with a view to managing those risks identified in their assessment.

On an annual basis, the Board receives assurance from the Management of the Company that the financial records of the Group have been properly maintained and the financial statements give a true and fair view of the Group's operations and finances and the internal control and risk management systems of the Group were adequate and effective.

The internal auditor has unfettered access to all the Company's documents, records, properties and personnel, including access to the Board, the ASC and the Management, where necessary, and has the right to seek information and explanation.

The Group has put in place a Whistle Blowing Policy which encourage the reporting in good faith of serious concerns or escalate serious matters on a confidential basis without fear of reprisal, dismissal, or discriminatory treatment. The Whistle Blowing Policy provides procedures to validate concerns and for investigation to be carried out independently by designated receiving officer. The Group's Whistle Blowing Policy allows for reporting by employees or external parties of matters about possible improprieties to the receiving officer within the human resource department through a dedicated email: whistleblowing@pacificradiance.com. All such matters are also reported by the receiving officer to the ASC quarterly for further investigation if deemed necessary. The ASC has oversight on all outcomes of investigations and ensures remedial actions are taken. All members of the ASC are independent directors, there are no executive director in the ASC. The ASC reviews and modify the Whistle Blowing Policy as appropriate, to maintain compliance with applicable laws and regulations or accommodate organisational changes within the Group. The employees of the Group are aware of the existence of the Whistle Blowing Policy as it had been incorporated in the employee handbook. A copy of the Group's Whistle Blowing Policy is also available on the corporate website of the Company.



# SGX CORE 23B) ANTI-CORRUPTION DISCLOSURES – COMMUNICATION ABOUT ANTI-CORRUPTION POLICIES AND PROCEDURES

**DATE**: FY 2022

Region	Employee Category	Total Number of Employees	Total Number of Employees That the Organization's Anti-corruption Policies and Procedures Have Been Communicated	Percentage of Employees That the Organization's Anti-corruption Policies and Procedures Have Been Communicated
Asia (except Japan)	Administrative	7	7	100
Asia (except Japan)	Production	53	53	100
Asia (except Japan)	Middle management	20	20	100
Asia (except Japan)	Senior management	7	7	100
Asia (except Japan)	Non-management	51	51	100
Asia (except Japan)	Technical	9	9	100

**2022 Latest Explain/Notes**: Anti-corruption policies and procedures are included in the Employee Handbook of the Group and communicated during employee induction.

# $\textbf{SGX CORE 23C) ANTI-CORRUPTION DISCLOSURES-CONFIRMED INCIDENTS OF CORRUPTION AND ACTIONS TAKEN$

Number of Incidents of Corruption	Nature of Incidents of Corruption
0	Not applicable



## **SGX CORE 24) ANTI-CORRUPTION TRAINING FOR EMPLOYEES**

**DATE**: FY 2022

Region	Employee Category	Total Number of Employees That Have Received Training on Anti-Corruption?	Percentage of Employees That Have Received Training on Anti-Corruption?
Asia (except Japan)	Administrative	0	0
Asia (except Japan)	Senior management	0	0
Asia (except Japan)	Middle management	0	0
Asia (except Japan)	Production	0	0
Asia (except Japan)	Technical	0	0
Asia (except Japan)	Non-management	0	0

## **SGX CORE 25) LIST OF RELEVANT CERTIFICATIONS**

**DATE**: FY 2022

Certification Name	Certification Period	Certification Body
ISO 9001	8 Oct 2017 to 8 Oct 2023	ABS Quality Evaluation
IS014001	8 Oct 2017 to 8 Oct 2023	ABS Quality Evaluation
BizSAFE Level 3	8 Dec 2020 to 7 Dec 2023	Workplace Safety and Health (WSH) Council, Ministry of Manpower

## SGX CORE 26) ALIGNMENT WITH FRAMEWORKS AND DISCLOSURE PRACTICES

## FY 2022

This report has been prepared with reference to GRI standards. GRI is a globally-recognised sustainability reporting framework and the Group has consistently adopted GRI as the framework for its sustainability reporting since 2017. This report also complies with TCFD recommendations as well as the sustainability reporting guidelines of SGX.



## **SGX CORE 27A) ASSURANCE OF SUSTAINABILITY REPORT**

**DATE**: FY 2022

Level of Assurance	Describe Scope of Assurance
Internal assurance	The scope of internal audit covers the review of the following:
	(i) established policies and procedures;
	(ii) completeness of the primary components of sustainability report as set out in Singapore Exchange ("SGX") Listing Manual Section 711B(1);
	(iii) reporting scope and boundaries;
	(iv) identification and selection of material ESG factors, including its relevancy to the industry and business of the Group;
	<ul><li>(v) selection and approval of sustainability reporting framework;</li></ul>
	(vi) performance information collation process, including responsibilities of each data provider; and
	(vii) review of disclosure against SGX Core ESG metrics.

## SGX CORE 27B) IF THE REPORT HAS BEEN EXTERNALLY ASSURED

## FY 2022

Not applicable.

**2022 Latest Explain/Notes**: RSM was appointed to conduct an internal audit review of this report.



# SGX CORE 28A) DESCRIPTION OF FIRM'S SUSTAINABILITY PRACTICES – IDENTIFICATION OF MATERIAL ESG FACTORS

#### FY 2022

Our sustainability framework focuses on incorporating environmental causes into our operations, integrating staff needs into our planning and contributing towards local communities in pursuit of economic sustainability for our stakeholders. The Board, supported by an external consultant, conducted a materiality assessment in 2017 with reference to the principles of the GRI standards to determine the material ESG factors and the reporting goals in the context of the Group's activities and business relationships. A high-level exercise was first carried out by the Board to consider a universe of ESG factors and to shortlist the key ESG factors that create significant long-term impact due to the Group's activities and business relationships. Thereafter, feedback from the Management and employees was sought and the results were validated to arrive at the final list of key ESG factors. A review of these material ESG factors, along with the associated risks and opportunities, was conducted following the shift in strategic direction of the Group from ship owner and operator to ship management activities in FY2022. The Board has determined that the following material ESG factors remain relevant:

Environmental management

Controlling carbon and other greenhouse gas emission is critical to mitigating the adverse impacts of climate change. Increased frequency and intensity of extreme weather events can cause disruption to offshore operations, damage to assets, and threaten workplace safety. Responsible offshore operations can reduce pollution to the air as well as pollution and damage to the marine environment.

· Resource management

Improve fuel efficiency in our operations and adopt low-carbon alternative energy sources as they become economically and operationally viable are key to reduce our carbon footprint.

· Human capital management

As we pivot to an asset-light business model, with a focus on providing ship management services to support offshore activities, our people are our key assets as the quality of our workforce and employee overall well-being have a direct impact on our performance and success.

· Health and safety management

Workplace safety for our employees and customers is our utmost priority, as safety lapses can lead damaging economic and environmental impact as well as fatalities and injuries.

Economic sustainability

Achieving economic sustainability will allow us to generate employment for our employees, create business opportunities for local suppliers, provide quality services to our customers, create return to our capital providers as well as contribute towards other social causes for the long-term.



## SGX CORE 28B) DESCRIPTION OF FIRM'S SUSTAINABILITY PRACTICES – MATERIAL ESG FACTORS

Material ESG Factors	Policies, Practices and Performance	Targets	Risks and Opportunities
Environmental management	We are committed to minimizing the negative impact to our environment. We support international efforts to reduce carbon emission and Singapore government's aim to achieve net zero emission by 2050. Our goal is to reduce carbon footprint at all levels of our operations. With respect to vessel operations: We adhere to ISO 14001 (environment management system) and follow International Maritime Organisation ("IMO") regulations and conventions on environmental management.  (a) Greenhouse gas management  We operate according to International Convention for the Prevention of Pollution from Ships ("MARPOL") that regulates air pollution and emission from vessels. We procure fuel oil that is compliant with the upper limit of 0.5% of sulphur content set by IMO 2020 to reduce the amount of sulphur oxide emanating from vessels.  (b) Effluents and waste management  We operate according to MARPOL for prevention of pollution of the marine environment from operational or accidental causes. We follow International Convention for the Control and Management of Ships' Ballast Water and Sediments ("BWM Convention") management procedures to prevent the spread of potentially harmful aquatic organisms and pathogens in ballast water disposed from	Net 30% reduction in emission intensity (Scope 1 and 2) Achieve 50% waste recovery Zero oil pollution incident	Controlling carbon and other greenhouse gas emission is critical to mitigating the adverse impacts of climate change. Increased frequency and intensity of extreme weather events can cause disruption to offshore operations, damage to assets, and threaten workplace safety. This will lead to higher capital expenses and operating expenses associated with asset replacement and repair, lost work time, and workplace insurance. Crew can be better equipped with training on workplace safety and incident management to avoid or respond to incidents and injuries to mitigate such risks.  Higher temperatures will lead to increase in energy consumption to moderate temperature at workplace. This will result in higher operating expenses and overheads related to energy and electricity costs. This can be mitigated by improving energy efficiency of our operations and use of low-carbon alternative energy sources as they become operationally and economically more viable.  Regulations aimed at reducing carbon emissions and mitigating the effects of climate change will increase compliance costs in the form of carbon taxes and carbon credits, as well as costs associated with managing and reporting of regulatory compliance matters. To this end, we will step up our engagement and work in collaboration with stakeholders to reduce our carbon footprint across the value chain.



Material ESG Factors	Policies, Practices and Performance	Targets	Risks and Opportunities
	(c) Spill management  Our crew attends training on Oil Pollution Preparedness, Response and Co-operation ("OPRC") courses developed by IMO to deal with pollution incidents. With respect to shipyard and other corporate activities: We are committed to reduce waste at all levels of our operations. Our employees adopt lean practices to minimize waste generation. We sort, label and store hazardous and non-hazardous waste generated from our operations and engage waste management firms to recycle, treat and dispose our waste.		
Resource management	Energy efficiency  We strive to improve energy efficiency in our operations. We follow IMO regulations and conventions in our vessel operations. We adopt the Ship Energy Efficiency Management Plan ("SEEMP") to improve energy efficiency of vessels. Best practices adopted for fuel efficiency:  (a) Fuel efficient operations  • vessels with electric propulsion  • improved voyage planning  • weather routing  • just-in-time arrival  • speed optimization  (b) Optimised ship handling  • optimum trim  • optimum ballast  • optimum use of rudder and control systems  (c) Hull maintenance  • propulsion system maintenance	50% reduction in energy consumption intensity	Shift from fossil fuels to cleaner energy sources will lead to a decrease in demand for fossil fuel over time. The decline in revenue derived from oil and gas activities can be mitigated by diversifying revenue sources to include energy transition opportunities, such as decommissioning of oil and gas infrastructure and installation of renewable energy infrastructure.  As cleaner energy sources become economically and operationally viable due to emerging new technologies, such as improved battery storage, the shift from fossil fuels may accelerate. While this may shorten the energy transition period, the growth in renewable energy activities will present new revenue opportunities.  Conversely, the availability of more economically viable alternative energy sources will mitigate higher operating expenses and overheads related to energy and electricity costs, as consumption increases due to rising temperatures.



Material ESG Factors	Policies, Practices and Performance	Targets	Risks and Opportunities
	<ul> <li>(d) Vessel automation</li> <li>shipboard automation systems that allow real time monitoring of fuel consumption and comparison across fleet to ensure optimal fuel usage</li> <li>We create environmental awareness at workplace and make conscious efforts to reduce electricity consumption to lower our carbon footprint.</li> <li>Low-carbon alternatives</li> <li>We support the use of low-carbon alternative energy sources to fuel oil as they become operationally and economically viable. We are increasing our stakeholders engagement, in particular with our ship management customers, on this front. We are also stepping up efforts to diversify into low-carbon or renewable energy activities.</li> </ul>		
Human capital management	Our people are our key assets and has a direct impact on our performance and success. We strive to be the employer of choice with high employee retention rate and a quality workforce. We abide by the guidelines of Tripartite Alliance for Fair and Progressive Employment Practices (TAFEP), an agency set up by Ministry of Manpower, National Trades Union Congress, and Singapore National Employers Federation to promote the adoption of fair, responsible and progressive employment practices. Our human resource practices also encourage training and development, support talent attraction and retention, and offer benefits and flexible work arrangement that promote overall well-being of our employee.	Less than 20% in employee turnover	Public perception of associating offshore operations with oil and gas activities may constrain our ability to attract and retain talent as we pursue our energy transition plan to transform into a low-carbon footprint business. We will increase our stakeholder engagement to communicate the sustainability vision, strategy and plans of the Group.



Material ESG Factors	Policies, Practices and Performance	Targets	Risks and Opportunities
Health and safety management	Workplace safety for our employees and customers is our utmost priority. Our target is to be a responsible industry player that delivers quality services to our customers with zero incident, fatality and injury. We adhere to International Convention for the Safety of Life at Sea ("SOLAS") standards in our vessel management and vessels carry medical and equipment in good supplies that meet the requirements of the standards.  Our safety risk management committee meets regularly to review safety lapses and enforce remediation actions. Our crew attends health and safety related training, including all Standards of Training, Certification and Watchkeeping for Seafarers ("STCW") related training. On an ongoing basis, our crew receives safety coaching onboard the vessels, housekeeping, hygiene and environmental awareness are topics included in such sessions.	Zero incident and fatality	Increased frequency and intensity of extreme weather events and rising temperatures present health and safety risks and can lead to incidents, fatalities and injuries. This will lead to higher capital expenses and operating expenses associated with asset replacement and repair, lost work time, and workplace insurance. Employees can be better equipped with training on workplace safety and incident management to avoid or respond to incidents and injuries to mitigate such risks.
	Group-wide safety briefing is conducted regularly to familiarize all staff with the Workplace Safety and Health (Risk Management) Regulations and the Risk Assessment Management System of the Group. As an attestation of our commitment to workplace safety, we currently hold bizSAFE Level 3 certification from the Workplace Safety and Health Council, a statutory board under the Ministry of Manpower.		

Material ESG Factors	Policies, Practices and Performance	Targets	Risks and Opportunities
E c o n o m i c sustainability	We are committed to achieve economic sustainability so as to continue to generate employment for our employees, create business opportunities for local suppliers, provide quality services to our customers, create return to our capital providers as well as contribute towards other social causes for the long term.	50% of total revenue derived from low-carbon or renewable business activities.  Positive economic value added.	Offshore oil and gas activities face a changing business environment as the world moves towards a low-carbon economy. Although the demand for fossil fuels may decrease over time, it is likely to remain strong for the near term. In this regard, the Group seeks to provide high-quality services that help to improve efficiency and reduce operating costs for offshore oil and gas our customers.  At the same time, the Group will tap on opportunities during this energy transition period to provide services for the decommissioning of old oil and gas infrastructure and installation of new renewable energy infrastructure.  Over a longer term, the Group is committed to leverage on its experience and expertise in offshore operations and transform into a low-carbon footprint business.

**2022 Latest Explain/Notes**: The risk, opportunity and impact assessment in the table above is based on a 5-year horizon. Offshore oil and gas activities face a changing business environment as the world moves towards a low-carbon economy. Although the demand for fossil fuels may decrease over time, it is likely to remain strong for the near term. Over a longer term beyond the 5-year horizon, the Group is committed to leverage on its experience and expertise in offshore operations and transform into a low-carbon footprint business.

## SGX CORE 28C) DESCRIPTION OF FIRM'S SUSTAINABILITY PRACTICES – STAKEHOLDER ENGAGEMENT

## FY 2022

### Employees

- · One-to-one employee goal setting, performance review and feedback sessions
- · Weekly/monthly department meetings
- · Monthly management and department heads meetings
- Town hall meetings
- · Employee survey
- · Training programmes



### FY 2022

#### Customers

- Customer survey
- · Regular dialogues, meetings and site visits

### Suppliers

- · Supplier survey
- · Regular dialogues, meetings and site visits

#### Capital Providers

- · Feedback through dedicated investor email IR@pacificradiance.com
- · Public communication via corporate website and SGXNet
- · Shareholder meetings

### Governments and regulators

- · Periodic visits and meetings
- · Industry forums
- Support for government initiatives

## SGX CORE 28D) DESCRIPTION OF FIRM'S SUSTAINABILITY PRACTICES - BOARD STATEMENT

#### **FY 2022**

The Board of PRL oversees and sets the strategic direction of the Group in relation to sustainability issues and is fully committed towards sustainable corporate practices. It ensures that sustainability issues, including climate-related issues, are considered when formulating strategies, policies and goals. It determines the sustainability framework of the Group, the material ESG factors that create significant long-term impact due to the Group's activities and business relationships and the goals and targets related to the material ESG factors.

Our sustainability framework focuses on incorporating environmental causes into our operations, integrating staff needs into our planning and contributing towards local communities in pursuit of economic sustainability for our stakeholders.

In November 2022, the scope of the AC of the Board was expanded and the AC was renamed as the ASC to provide greater focus in overseeing sustainability issues. The ASC roles are to review and make recommendations to the Board on material ESG factors, ensure that climate-related risks and opportunities identified are assessed and managed, ensure proper governance is in place for sustainability matters, monitor the implementation and progress towards sustainability goals and targets, ensure compliance with ESG related laws, rules and regulations, and review the sustainability report and recommend it to the Board for approval, amongst other.

The Management of the Group is responsible for driving sustainability issues and implementing the sustainability goals and targets across the Group. It works closely with senior members of different departments to execute and monitor the sustainability goals and targets as well as to report on the sustainability efforts of the Group.



## **ADDITIONAL SCOPE PACK SUBMISSIONS**

#### **TCFD**

#### PERCENTAGE OF SUPPLIERS WHO REPORT ON SUSTAINABILITY

#### **FY 2022**

0%

**2022 Latest Explain/Notes**: We do not track the number of suppliers who report on sustainability practices presently. We procure from a diverse base of local and foreign suppliers. Our key procurement criteria include costs, timely delivery, quality and track record. We are committed to support suppliers that adopt responsible sustainable practices, and are increasingly incorporating these considerations in our procurement practices. We recognise that this may not always be possible given the diverse locations of our operations. Sustainability related information from suppliers may also be limited in some cases.

#### **INVESTMENT IN RENEWABLE ENERGY**

#### **FY 2022**

3%

**2022 Latest Explain/Notes**: The Group made new investment in a joint venture that provides offshore support services to offshore wind farm in FY2022. This new investment represents 3% of the non-current assets of the Group as at 31 Dec 2022.

#### **TOXIC SPILLS**

**DATE**: FY 2022

Total number of recorded toxic spills during the reporting period?	Percentage of spills remediated?	Total volume of hazardous materials and wastes and petroleum products, released to waterways, soil and groundwater?
0	0	0

### **NUTRIENT MONITORING**

## FY 2022

Not applicable.

## PERCENTAGE OF CAPEX ON SUSTAINABLE ENERGY SOLUTIONS

### FY 2022

3%

**2022 Latest Explain/Notes**: The Group made new investment in a joint venture that provides offshore support services to offshore wind farm in FY2022. This new investment represents 3% of the non-current assets of the Group as at 31 Dec 2022.



## **ADDITIONAL SCOPE PACK SUBMISSIONS**

#### **REVENUE - LOW-CARBON PRODUCTS**

**FY 2022** 

0 millions SGD

#### **LOCATION OF THE ORGANIZATION'S HEADQUARTERS**

**FY 2022** 

Singapore

#### SUSTAINABILITY STATEMENT

#### **FY 2022**

As the CEO of the Group, I recognize that sustainability is critical to our business and the world we live in. We have a responsibility to act as stewards of the environment, society, and economy, and to leave a positive legacy for future generations. Our business strategy underscores our commitment to sustainability. We aim to reduce our carbon footprint, protect the environment, promote responsible and sustainable business practices, and create a positive impact on our local communities. We understand that our operations have an impact on the environment and society, and we are committed to minimizing the impact through continuous improvement and update to our policies and processes. Together with our stakeholders, including our suppliers and customers, we strive to promote sustainable practices throughout our value chain. Our target is to reduce our net emission intensity by 30% by 2030 and derive 50% of our revenue from low-carbon or renewable energy activities. We recognise that promoting sustainability is a long journey, but we are committed to taking action and making a difference. We will regularly review our sustainability efforts, seek input from our key stakeholders and learn from our experiences to continuously improve our performance.

### **KEY IMPACTS, RISKS AND OPPORTUNITIES**

### **FY 2022**

Physical Risks

Increased frequency and intensity of extreme weather events can cause disruption to offshore operations, damage to assets, and threaten workplace safety. This will lead to higher capital expenses and operating expenses associated with asset replacement and repair, lost work time, and workplace insurance. Crew can be better equipped with training on workplace safety and incident management to avoid or respond to incidents and injuries to mitigate such risks. Higher temperatures will lead to increase in energy consumption to moderate temperature at workplace. This will result in higher operating expenses and overheads related to energy and electricity costs. This can be mitigated by improving energy efficiency of our operations and use of low-carbon energy sources as they become operationally and economically viable.



### FY 2022

Transition Risks

#### (a) Market Risks

Shift from fossil fuels to cleaner energy sources will lead to a decrease in demand for fossil fuel over time. The decline in revenue derived from oil and gas activities can be mitigated by diversifying revenue sources to include energy transition opportunities, such as decommissioning of oil and gas infrastructure and installation of renewable energy infrastructure.

### (b) Policy and Legal Risks

Regulations aimed at reducing carbon emissions and mitigating the effects of climate change will increase compliance costs in the form of carbon taxes and carbon credits, as well as costs associated with managing and reporting of regulatory compliance matters. To this end, we will step up our engagement and work in collaboration with stakeholders to reduce our carbon footprint across the value chain.

#### (c) Technology Risks

As cleaner energy sources become economically and operationally viable due to emerging new technologies, such as improved battery storage, the shift from fossil fuels may accelerate. While this may shorten the energy transition period, the growth in renewable energy activities will present new revenue opportunities. Conversely, the availability of more economically viable alternative energy sources will mitigate higher operating expenses and overheads related to energy and electricity costs, as consumption increases due to rising temperatures.

### (d) Reputation Risks

Public perception of associating offshore operations with oil and gas activities may constrain our ability to attract and retain talent and access capital as we pursue our energy transition plan to transform into a low-carbon footprint business. We will increase our stakeholder engagement to communicate the sustainability vision, strategy and plans of the Group.

### **COMMITTEES RESPONSIBLE FOR DECISION-MAKING ON ESE TOPICS**

#### **FY 2022**

The Board is responsible for decision making on economic, environmental and social topics.

#### PROCESS FOR DELEGATION

### FY 2022

The Board oversees and sets the strategic direction of the Group in relation to sustainability issues. The ASC ensures that proper governance, implementation, monitoring and reporting mechanisms are in place to manage sustainability issues. It reviews and makes recommendations to the Board on sustainability matters. The Management drives and implements the sustainability goals and targets across the Group. It works closely with senior members of different departments to execute and monitor the sustainability goals and targets as well as to report on the sustainability efforts of the Group.



### **EXECUTIVE-LEVEL POSITIONS RESPONSIBLE FOR ENVIRONMENTAL TOPICS**

**DATE**: FY 2022

(a) Whether the organization has appointed an executive-level position or positions with responsibility for economic, environmental, and social topics.

The Management is responsible for economic, environmental and social topics.

(b) Whether post holders report directly to the highest governance body.

The Management reports to the ASC on sustainability matters. The ASC reports to the Board on sustainability matters, it reviews and makes recommendation to the Board.

### **HIGHEST GOVERNANCE BODIES ROLE - ENVIRONMENTAL TOPICS**

#### **FY 2022**

The Board oversees and sets the strategic direction of the Group in relation to sustainability issues and is fully committed towards sustainable corporate practices. It ensures that sustainability issues, including climate-related issues, are considered when formulating strategies, policies and goals. The Board determines the sustainability framework of the Group, the material ESG factors that create significant long-term impact to the stakeholders due to the Group's activities and business relationships and the goals and targets related to the material ESG factors. Our sustainability framework focuses on incorporating environmental causes into our operations, integrating staff needs into our planning and contributing towards local communities in pursuit of economic sustainability for our stakeholders. Material ESG factors are identified along these priorities and reviewed by the Board annually.

### **GOVERNANCE BODY: ESE KNOWLEDGE**

### FY 2022

During the year, the Board, the Management and certain senior members of different departments attended seminars and workshops organised by SGX, Singapore Institute of Directors and independent consultants on TCFD and ESE related topics.



### **HIGHEST GOVERNANCE BODY ROLE - ESE RISKS**

### **FY 2022**

The Board, supported by an external consultant, conducted a materiality assessment in 2017 with reference to the principles of the GRI standards to determine the material ESG factors and the reporting goals in the context of the Group's activities and business relationships. A high-level exercise was first carried out by the Board to consider a universe of ESG factors and to shortlist the key ESG factors that create significant long-term impact to the stakeholders due to the Group's activities and business relationships. Thereafter, feedback from the Management and employees was sought and the results were validated to arrive at the final list of key ESG factors. A review of these material ESG factors, along with the associated risks and opportunities, was conducted following the shift in strategic direction of the Group from ship owner and operator to ship management activities in FY2022. The Board has determined that the following material ESG factors remain relevant:

- · Environmental management
- Resource management
- · Human capital management
- Health and safety management
- Economic sustainability

The ASC reviews and makes recommendations to the Board on material ESG factors, ensure that climate-related risks and opportunities identified are assessed and managed, ensure proper governance is in place for sustainability matters, monitor the implementation and progress towards sustainability goals and targets, ensure compliance with ESG related laws, rules and regulations, and review the sustainability report and recommend it to the Board for approval, amongst other. The Management is responsible for driving sustainability issues and implementing the sustainability goals and targets across the Group. It works closely with senior members of different departments to execute and monitor the sustainability goals and targets as well as to report on the sustainability efforts of the Group.

### HIGHEST GOVERNANCE BODY ROLE: ESE RISKS USING STAKEHOLDER CONSULTATION

**DATE**: FY 2022

i. Economic	ii. Environmental	iii. Social
Yes	Yes	Yes

**2022 Latest Explain/Notes**: Feedback from Management and employees was sought on material ESG factors. We will expand our stakeholder engagement on sustainability practices going forward.

### **GOVERNANCE BODIES ROLE IN REVIEWING**

### FY 2022

The ASC provides greater focus in overseeing sustainability issues. The ASC roles are to review and make recommendation to the Board on material ESG factors, ensure that climate-related risks and opportunities are identified, assessed and managed, ensure proper governance is in place for sustainability matters, monitor the implementation and progress towards sustainability goals and targets, ensure compliance with ESG related laws, rules and regulations, and review the sustainability report and recommend it to the Board for approval, amongst other.



### **FREQUENCY OF REVIEW**

### FY 2022

The Board, ASC and Management review the economic, environmental and social topics and their impacts, risks and opportunities annually.

### HIGHEST COMMITTEE THAT REVIEWS SUSTAINABILITY REPORT

### FY 2022

The Board and ASC review the sustainability report and the Board approves the sustainability report based on the recommendation of the ASC.

### AN EXPLANATION OF WHY THE TOPIC IS MATERIAL

Material Topic	Explanation of why the topic is material
Environmental management	Controlling carbon and other greenhouse gas emission is critical to mitigating the adverse impacts of climate change. Increased frequency and intensity of extreme weather events can cause disruption to offshore operations, damage to assets, and threaten work safety. Responsible offshore operations can reduce pollution to the air as well as pollution and damage to the marine environment.
Resource management	Improve fuel efficiency in our operations and adopt low-carbon alternative energy sources as they become economically and operationally viable are key to reduce our carbon footprint.
Human capital management	As we pivot to an asset-light business model, with a focus on providing ship management services to support offshore activities, our people are our key assets as a quality workforce and employee overall well-being has a direct positive impact on our performance and success.
Health and safety management	Ensuring workplace safety for our employees and customers is our utmost priority, as safety lapses can lead damaging economic and environmental impact as well as fatalities and injuries.
Economic sustainability	Achieving economic sustainability will allow us to contribute to our local communities while we reduce our carbon footprint, protect our environment, and promote responsible and sustainable business practices.



### **MATERIAL TOPIC – BOUNDARY**

**DATE**: FY 2022

Material Topic	i. Where the impacts occur	ii. The organization's involvement with the impacts
Environmental management	Vessels, shipyard and office property	Carbon and other greenhouse gases emitted in the course of operations. Effluents and waste disposed or discharged by vessels, shipyard and office property in the course of operations. Oil spills and other environmental impact created due to accidental causes.
Resource management	Vessels, shipyard and office property	Fuel oil purchased and consumed by third-party vessels under management and vessels owned by the Group in the course of operations. Electricity purchased and consumed at the shipyard and office property in the course of operations.
Human capital management	PRL and its subsidiaries	Human resource practices that affect the development and overall well-being of our employees.
Health and safety management	Vessels, shipyard and office property	Safety of the workplace for our employees and customers.
Economic sustainability	PRL and its subsidiaries	Generate employment, create business opportunities, provide quality services, create return to capital providers and contribute towards other social causes.

**2022 Latest Explain/Notes**: The entities where the impacts occur are as follows: Pacific Radiance Ltd, Pacific Crest Pte Ltd, Strato Maritime Services Pte Ltd and Crestsa Marine & Offshore Pte Ltd.

### **MATERIAL TOPIC – DESCRIPTION**

Material Topic	Any specific limitation regarding the topic
Resource management	We support the use of low-carbon or renewable energy sources to fuel oil as they become operationally and economically viable. We are increasing our stakeholder engagement, in particular our ship management customers, on this front. We recognise that such matters will ultimately be decided by our customers, who are the vessel owners.
Resource management	We procure from a diverse base of local and foreign suppliers. Our key procurement criteria include costs, timely delivery, quality and track record. We are committed to support suppliers that adopt responsible sustainable practices, and are increasingly incorporating these considerations in our procurement practices. We recognise that this may not always be possible given the diverse locations of our operations. Sustainability related information from suppliers may also be limited in some cases.



### AN EXPLANATION OF HOW THE ORGANIZATION MANAGES THE TOPIC

**DATE**: FY 2022

Material Topic	An explanation of how the organization manages the topic				
Environmental management	With respect to vessel operations: We adhere to ISO 14001 (environment management system) and follow International Maritime Organisation ("IMO") regulations and conventions on environmental management.				
	(a) Greenhouse gas management				
	We operate according to International Convention for the Prevention of Pollution from Ships ("MARPOL") that regulates air pollution and emission from vessels. We procure fuel oil that is compliant with the upper limit of 0.5% of sulphur content set by IMO 2020 to reduce the amount of sulphur oxide emanating from vessels.				
	(b) Effluents and waste management				
	We operate according to MARPOL for prevention of pollution of the marine environment from operational or accidental causes. We follow International Convention for the Control and Management of Ships' Ballast Water and Sediments ("BWM Convention") management procedures to prevent the spread of potentially harmful aquatic organisms and pathogens in ballast water disposed from vessels.				
	(c) Spill management				
	Our crew attends training on Oil Pollution Preparedness, Response and Co-operation ("OPRC") courses developed by IMO to deal with pollution incidents. With respect to shipyard and other corporate activities: We are committed to reduce waste at all levels of our operations. Our employees adopt lean practices to minimize waste generation. We sort, label and store hazardous and non-hazardous waste generated from our operations and engage waste management firms to recycle, treat and dispose our waste.				
Resource management	We follow IMO regulations and conventions in our vessel operations. We adopt the Ship Energy Efficiency Management Plan ("SEEMP") to improve energy efficiency of vessels. Best practices adopted for fuel efficiency:				
	(a) Fuel efficient operations				
	vessels with electric propulsion				
	improved voyage planning				
	weather routing				
	• just-in-time arrival				
	speed optimization				
	(b) Optimised ship handling				

optimum trim optimum ballast

optimum use of rudder and control systems



Material Topic	An explanation of how the organization manages the topic			
	(c) Hull maintenance			
	propulsion system maintenance			
	(d) Vessel automation			
	<ul> <li>shipboard automation systems that allow real time monitoring of fuel consumption and comparison across fleet to ensure optimal fuel usage</li> </ul>			
Human capital management	We abide by the guidelines of Tripartite Alliance for Fair and Progressive Employment Practices (TAFEP), an agency set up by Ministry of Manpower, National Trades Union Congress, and Singapore National Employers Federation to promote the adoption of fair, responsible and progressive employment practices. Our human resource practices also encourage training and development, support talent attraction and retention, and offer benefits and flexible work arrangement that promote overall well-being of our employee.			
Health and safety management	We adhere to International Convention for the Safety of Life at Sea ("SOLAS") standards in our vessel management and vessels carry medical and equipment in good supplies that meet the requirements of the standards.			
	Our safety risk management committee meets regularly to review safety lapses and enforce remediation actions. Our crew attends health and safety related training, including all Standards of Training, Certification and Watchkeeping for Seafarers ("STCW") related training. On an ongoing basis, our crew receives safety coaching onboard the vessels, housekeeping, hygiene and environmental awareness are topics included in such sessions.			
	Group-wide safety briefing is conducted regularly to familiarize all staff with the Workplace Safety and Health (Risk Management) Regulations and the Risk Assessment Management System of the Group. As an attestation of our commitment to workplace safety, we currently hold bizSAFE Level 3 certification from the Workplace Safety and Health Council, a statutory board under the Ministry of Manpower.			
Economic sustainability	We will create more awareness on sustainability issues at all levels of our operations and endeavor to expand our stakeholder engagement to embed responsible business practices across our value chain.			

### A STATEMENT OF THE PURPOSE OF THE MANAGEMENT APPROACH

Material Topic	A statement of the purpose of the management approach			
Environmental management	We are committed to minimizing the negative impact to our environment. We support international efforts to reduce carbon emission and Singapore government's aim to achieve net zero emission by 2050. Our goal is to reduce carbon footprint and waste generation at all levels of our operations.			
Resource management	We strive to improve energy efficiency in our current operations. We support the use of alternative energy source to fuel oil and are engaging ship management customers on opportunities on this front. We are stepping up efforts to diversify our business activities into renewable energy sector.			



Material Topic	A statement of the purpose of the management approach			
Human capital management	Our people are our key assets and has a direct impact on our performance and success. We strive to be the employer of choice with high employee retention rate and a quality workforce.			
Health and safety management	Workplace and employee safety is our utmost priority. Our target is to be a responsible industry player that delivers quality services to our customers with zero incident, fatality and injury.			

### **MATERIAL TOPIC – STATEMENT**

Material Topic	i. Policies	ii. Commitments	iii. Goals and targets	iv. Responsibilities	v. Resources	vi. Grievance mechanisms	vii. Specific actions, such as processes, projects, programs and initiatives of the management approach.
Environmental management	Adhere to IMO regulations and conventions. Various internal policies and procedures relating to vessel and shipyard operations.	Reduce carbon and GHG emission. Increase waste recovery. Avoid oil pollution incident.	Net 30% reduction in emission intensity by 2030. Achieve 50% of waste recovery. Zero oil pollution incident.	Vessel and shipyard operations. Facilities management team.	Not included	Whistle blowing channel. Employee survey. Customer survey.	Not included
Resource management	Adhere to IMO regulations and conventions. Various internal policies and procedures relating to vessel and shipyard operations.	Improve energy efficiency. Diversify into low-carbon and renewable energy sources.	50% reduction in energy intensity by 2030.	Vessel and shipyard operations. Commercial team. Procurement team.	Not included	Whistle blowing channel. Employee survey. Customer survey. Supplier survey.	Not included
Human capital management	Adopt TAFEP guidelines on fair, responsible and progressive employment practices Various internal human resource policies and practices on training and development, talent attraction and retention, and benefits and flexible work arrangement, such as:  Diversity and inclusion policy Flexible work arrangement policy Talent retention scheme Employee recognition scheme Medical coverage benefits Meal and accommodation benefits for foreign workers Meal, transport and recreational facilities for staff welfare Annual employee survey Semi-annual performance setting and review Open door policy Grievance and corrective action procedures set out in employee handbook	Achieve high employee retention.	Less than 20% in employee turnover.	Management and department heads. Human resource team.	Not included	Grievance and corrective action channel. Whistle blowing channel. Employee survey.	Not included



Material Topic	i. Policies	ii. Commitments	iii. Goals and targets	iv. Responsibilities	v. Resources	vi. Grievance mechanisms	vii. Specific actions, such as processes, projects, programs and initiatives of the management approach.
Health and safety management	Adhere to IMO regulations and conventions. Security, safety and health policy.	Avoid incident, fatality and injury.	Zero incident and fatality.	Vessel and shipyard operations. Facilities management team.	Not included	Whistle blowing channel. Employee survey. Customer survey. Supplier survey.	Not included
Economic sustainability	Various internal policies relating to commercial, operations, procurement, human resource and finance activities.	Diversify into low-carbon or renewable energy activities.	50% of revenue derived from low-carbon or renewable energy activities by 2030. Positive economic value added.	Management and non-management teams.	Not included	Whistle blowing channel. Employee survey. Customer survey. Supplier survey.	Not included

### **MANAGEMENT APPROACH**

Material Topic	i. The mechanisms for evaluating the effectiveness of the management approach;	ii. The results of the evaluation of the management approach;	iii. Any related adjustments to the management approach.  Not applicable	
Environmental management	<ul> <li>Carbon emission intensity.</li> <li>Number of oil pollution incident.</li> <li>Water consumption intensity.</li> <li>Water withdrawal and discharge.</li> <li>Waste generated (hazardous and non-hazardous).</li> <li>Waste disposal and recovery.</li> </ul>	Not applicable. Refer to Notes.		
Resource management	<ul><li>Energy consumption intensity.</li><li>Investment in low-carbon and renewable energy solutions.</li></ul>	Not applicable. Refer to Notes.	Not applicable	
Human capital management  - Employee survey conducted Turnover rate Average training hours per employee Number of grievances Number of corrective actions Goal setting, performance review and feedback sessions conducted Town hall meetings conducted.		Not applicable. Refer to Notes.	Not applicable	



Material Topic	i. The mechanisms for evaluating the effectiveness of the management approach;	ii. The results of the evaluation of the management approach;	iii. Any related adjustments to the management approach.	
Health and safety management	<ul> <li>Number of incident</li> <li>Number of fatality</li> <li>Number of injury, medical treatment case, first aid case</li> <li>Lost time due to incident, fatality and injury</li> </ul>	Not applicable. Refer to Notes.	Not applicable.	
Economic sustainability  • Employee briefing on sustainability issues conducted. • Customer survey on sustainability issues conducted. • Supplier survey on sustainability issues conducted.		Not applicable. Refer to Notes.	Not applicable.	

**2022 Latest Explain/Notes**: The Group has set 2022 as the base year for this report. 2022 being the year that the Group shifted its business focus from ship owner and operator to ship management. Evaluation of management approach will be included in subsequent sustainability reporting.

### **RISKS AND OPPORTUNITIES POSED BY CLIMATE CHANGE**

i. A Description of the Risk or Opportunity and Its Classification as Either Physical, Regulatory, or Other	ii. A Description of the Impact Associated With the Risk or Opportunity	iii. The Financial Implications of the Risk or Opportunity Before Action is Taken	iv. The Methods Used to Manage the Risk or Opportunity	v. The Costs of Actions Taken to Manage the Risk or Opportunity
Physical	Physical	Physical	Physical	Not included.
Increase frequency and intensity of		Adequate insurance cover.	Refer to Notes	
extreme weather events.	assets, and threaten workplace safety.	associated with asset replacement and repair, lost work time, workplace insurance and training.	Mandatory training course related to workplace safety and incident management. Crew can be better equipped to avoid or respond to incidents and injuries to mitigate such risks.	



i. A Description of the Risk or Opportunity and Its Classification as Either Physical, Regulatory, or Other

ii. A Description of the Impact Associated With the Risk or Opportunity iii. The Financial Implications of the Risk or Opportunity Before Action is Taken

iv. The Methods Used to Manage the Risk or Opportunity v. The Costs of Actions Taken to Manage the Risk or Opportunity

### Physical (cont'd)

Higher temperatures affecting working conditions.

#### Physical (cont'd)

Increase in energy consumption to moderate temperature at workplace.

### Physical (cont'd)

Higher operating expenses and overheads related to energy and electricity costs.

### Physical (cont'd)

Improve energy efficiency of our operations.

Use of low-carbon energy sources as they become operationally and economically more viable.

### **Transition (Market)**

Shift from fossil fuels to cleaner energy sources.

### **Transition (Market)**

Decrease in demand for fossil fuel over time.

### **Transition (Market)**

Decrease in revenue derived from oil and gas activities.

### Transition (Market)

Diversify revenue sources to include energy transition opportunities.

Seek energy transition opportunities in decommissioning of oil and gas infrastructure and installation of renewable energy infrastructure.

# Transition (Policy and Legal)

Regulations aimed at reducing carbon emissions and mitigating the effects of climate change.

### Transition (Policy and Legal)

Increase in compliance costs.

# Transition (Policy and Legal)

Higher regulatory compliance costs in the form of carbon taxes and carbon credits, as well as costs associated with managing and reporting of regulatory compliance matters.

# Transition (Policy and Legal)

Increase stakeholder engagement and work in collaboration with stakeholders to reduce carbon footprint across the value chain.



i. A Description of the Risk or Opportunity and Its Classification as Either Physical, Regulatory, or Other

ii. A Description of the Impact Associated With the Risk or Opportunity iii. The Financial Implications of the Risk or Opportunity Before Action is Taken

iv. The Methods Used to Manage the Risk or Opportunity v. The Costs of Actions Taken to Manage the Risk or Opportunity

# Transition (Technology)

Cleaner energy sources becoming economically and operationally viable due to emerging new technologies, such as improved battery storage, accelerating the shift from fossil fuels.

# Transition (Technology)

Shorter energy transition period.

# Transition (Technology)

Decline in revenue from oil and gas related activities.

# Transition (Technology)

Seek opportunities in increased renewable energy activities.

Availability of more economically viable low-carbon energy sources.

Mitigate higher operating expenses and overheads related to energy and electricity costs as consumption increases due to rising temperatures.

Consider economically viable low-carbon energy sources.

# Transition (Reputation)

Public perception/ Reputation building

# Transition (Reputation)

Ability to attract and retain talent. Ability to access capital.

# Transition (Reputation)

Ability to implement energy transition plan may be constrained by public perception of climate impact caused by oil and gas activities.

# Transition (Reputation)

Increase stakeholder engagement to communicate the sustainability vision, strategy and plans of the Group.

**2022 Latest Explain/Notes**: The risk, opportunity and impact assessment in the table above is based on a 5-year horizon. Offshore oil and gas activities face a changing business environment as the world moves towards a low-carbon economy. Although the demand for fossil fuels may decrease over time, it is likely to remain strong for the near term. In this regard, the Group seeks to provide high-quality services that help to improve efficiency and reduce operating costs for offshore oil and gas our customers. At the same time, the Group will tap on opportunities during this energy transition period to provide services for the decommissioning of old oil and gas infrastructure and installation of new renewable energy infrastructure. Over a longer term beyond the 5-year horizon, the Group is committed to leverage on its experience and expertise in offshore operations and transform into a low-carbon footprint business. The costs of actions taken to manage the risks and opportunities have not been included. The Group will consider such disclosure in the future as it continues to review and fine-tune its processes in managing the climate change impacts.



### **FUEL CONSUMPTION – NON-RENEWABLE SOURCES**

**DATE**: FY 2022

Total fuel consumption within the organization from non-renewable sources	Fuel types used
297.02MWh	Diesel for shipyard operations

### **FUEL CONSUMPTION – RENEWABLE SOURCES**

**DATE**: FY 2022

Total fuel consumption within the organization from renewable sources	Fuel types used
0MWh	Not applicable

### **ENERGY CONSUMPTION – TOTAL CONSUMPTION BREAKDOWN**

### FY 2022

i. Electricity consumption 2470.68 MWh

### **ENERGY CONSUMPTION – TOTAL SOLD BREAKDOWN**

### FY 2022

i. Electricity sold 901.02 MWh

### **TOTAL ENERGY CONSUMPTION WITHIN THE ORGANIZATION**

### **FY 2022**

1,866.68 MWh

### **TOTAL ENERGY CONSUMPTION WITHIN THE ORGANIZATION - BASELINE**

### FY 2021

1,632.59 MWh

**2022 Latest Explain/Notes**: Total energy consumption within the organization from the previous reporting year.



(302-1) STANDARDS, METHODOLOGIES, ASSUMPTIONS, AND/OR CALCULATION TOOLS USED

### **FY 2022**

The Group purchased electricity from electricity retailers in Singapore and diesel from suppliers. The energy consumption data is supplied by electricity retailers and the diesel consumption data is supplied by suppliers.

### (302-1) SOURCE OF THE CONVERSION FACTORS USED

### **FY 2022**

Emission conversion factor is based on electricity grid emission factor for 2021 from Energy Market Authority of Singapore (EMA).

#### TOTAL ENERGY CONSUMPTION OUTSIDE OF THE ORGANIZATION

### **FY 2022**

97.87 MWh

### (302-2) STANDARDS, METHODOLOGIES, ASSUMPTIONS, AND/OR CALCULATION TOOLS USED

### FY 2022

Energy consumption outside of the organisation relates to fuel oil purchase for operations of vessels own by third parties and manage by the Group and vessels own and operate by the Group. Fuel oil purchase in Metric Tonnes is converted to MWh.

### (302-2) SOURCE OF THE CONVERSION FACTORS USED

### **FY 2022**

Not applicable

#### TYPES OF ENERGY INCLUDED IN THE INTENSITY RATIO

### **FY 2022**

- (i) Electricity
- (ii) Fuel

### WHETHER THE RATIO USES ENERGY CONSUMPTION WITHIN THE ORGANIZATION, OUTSIDE OF IT, OR BOTH

### **FY 2022**

Energy consumption intensity uses energy consumption within the organisation.



### **REDUCTION DUE TO CONSERVATION**

### FY 2022

0 MWh

**2022 Latest Explain/Notes**: 2022 being the first year that the Group shifted its strategic focus from ship manager and operator to ship management activities.

### TYPES OF ENERGY INCLUDED IN THE REDUCTION

### FY 2022

Not applicable

### **RATIONALE FOR BASELINE**

**DATE**: FY 2022

Base Year	The Rationale for Choosing Base Year	Reduction in Energy Consumption in Base Year
2022	2022 being the year that the Group shifted its business focus from ship owner and operator to ship management.	0MWh

### (302-4) STANDARDS, METHODOLOGIES, ASSUMPTIONS, AND/OR CALCULATION TOOLS USED

### FY 2022

Not applicable

### **REDUCTION SOLD PRODUCTS**

### FY 2022

0 MWh

### **CALCULATION OF ENERGY REDUCTION**

Base Year	The Rationale for Choosing Base Year	Reduction in Energy Consumption in Base Year
2022	2022 being the year that the Group shifted its business focus from ship owner and operator to ship management.	0MWh



(302-5) STANDARDS, METHODOLOGIES, ASSUMPTIONS, AND/OR CALCULATION TOOLS USED

### FY 2022

Not applicable

### **ORGANIZATIONS INTERACTIONS WITH WATER**

#### **FY 2022**

The Group receives potable water and NEWater (treated waste water) at its office and shipyard premises drawn from local catchment, imported water, NEWater (treated waste water) and desalinated seawater. Potable water is used for general consumption and is discharged to the national sewerage system. NEWater is used for shipyard operations and is discharged to the sea.

### **ORGANIZATIONS APPROACH TO IDENTIFY WATER-RELATED IMPACTS**

### **FY 2022**

Water risk does not form part of the core business risks of the Group.

### **HOW WATER-RELATED IMPACTS ARE ADDRESSED**

### FY 2022

Not applicable

### **WATER-RELATED GOALS EXPLANATION**

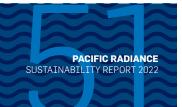
### FY 2022

Not applicable

### MINIMUM STANDARDS FOR QUALITY OF EFFLUENT DISCHARGE

### **FY 2022**

Not applicable



### **TOTAL WATER WITHDRAWN FROM SOURCE**

### FY 2022

- i. Surface water
- O Cubic meters
- ii. Ground water
- O Cubic meters
- iii. Sea water
- O Cubic meters
- iv. Produced water
- O Cubic meters
- v. Third-party water 25517.7 Cubic meters

### **TOTAL STRESSED WATER WITHDRAWN FROM SOURCE**

### FY 2022

- i. Surface water
- O Cubic meters
- ii. Ground water
- O Cubic meters
- iii. Sea water
- O Cubic meters
- iv. Produced water
- 0 Cubic meters
- v. Third-party water
- O Cubic meters

**2022 Latest Explain/Notes**: Water consumption for FY2022 are not drawn from water stress areas.

### **TOTAL WATER WITHDRAWN FROM SOURCE – BREAKDOWN**

Water Categories	Surface Water	Ground Water	Sea Water	Produced Water	Third-party Water
i. Freshwater (≤1,000 mg/L Total Dissolved Solids);	0m³	0m³	0m³	0m³	25,517.7m³



### (303-3) CONTEXTUAL INFORMATION NECESSARY

### FY 2022

Not applicable

### (303-4A) CONTEXTUAL INFORMATION NECESSARY

### FY 2022

iii. Sea water

18066.9 Cubic meters

iv. Third-party water and the volume of this total sent for use to other organizations, if applicable.

7450.8 Cubic meters

**2022 Latest Explain/Notes**: NEWater (treated waste water) used for shipyard operations is discharged to the sea. Potable water used for general consumption is discharged to the national sewerage systems.

### **TOTAL WATER DISCHARGE TO ALL AREAS – CATEGORIES**

### **FY 2022**

i. Freshwater (≤1,000 mg/L Total Dissolved Solids); 25517.7 Cubic meters

#### TOTAL WATER DISCHARGE TO ALL AREAS WITH WATER STRESS – CATEGORIES

### **FY 2022**

Not applicable

### PRIORITY SUBSTANCES OF CONCERN FOR WHICH DISCHARGES ARE TREATED

**DATE**: FY 2022

Not applicable

### (303-4E) CONTEXTUAL INFORMATION NECESSARY

### FY 2022

Not applicable



### **TOTAL WATER CONSUMPTION**

EV 2022	
FY 2022	

O Cubic Meters

2022 Latest Explain/Notes: Total water consumption = Total water withdrawal - Total water discharge

### **TOTAL WATER CONSUMPTION- WATER STRESS**

### FY 2022

Not applicable

### **CHANGE IN WATER STORAGE**

### FY 2022

Not applicable

### **WATER STORAGE CONTEXT**

### **FY 2022**

Not applicable

### **GROSS DIRECT (SCOPE 1) EMISSIONS**

### FY 2022

2,234 Metric Tonnes

### **GASES INCLUDED IN (SCOPE 1)**

### FY 2022

CO2

### **BIOGENIC CO2 EMISSIONS**

### **FY 2022**

Not applicable



### **BASE YEAR - SCOPE 1**

**DATE**: FY 2022

Base Year	i. The Rationale for Choosing Base Year	ii. Emissions in the Base Year	iii. The Context for Any Significant Changes in Emissions That Triggered Recalculations of Base Year Emissions
2022	2022 being the year that the Group shifted its business focus from ship owner and operator to ship management.	2,234mt	Not applicable

### (305-1) SOURCE OF EMISSIONS FACTORS

### FY 2022

Scope 1 emission factor is based on IMO emission factor due to combustion of fuel.

### (305-1) CONSOLIDATION APPROACH FOR EMISSIONS

### FY 2022

Consolidation approach for Scope 1 emission is based on equity share where the Company has majority financial and operational control.

### (305-1) STANDARDS USED

### FY 2022

Scope 1 emission is based on fuel consumption of vessels own and operate by the Group multiply by IMO emission factor due to combustion of fuel.

### **GROSS LOCATION-BASED INDIRECT (SCOPE 2) EMISSIONS**

### **FY 2022**

1,122.86 Metric Tonnes

### **GROSS MARKET-BASED ENERGY INDIRECT (SCOPE 2) EMISSIONS**

### FY 2022

0 Metric Tonnes



### **GASES INCLUDED IN (SCOPE 2) EMISSIONS**

FY 2022

CO2

### **BASE YEAR - SCOPE 2**

**DATE**: FY 2022

Base Year	i. The Rationale for Choosing Base Year	ii. Emissions in the Base Year	iii. The Context for Any Significant Changes in Emissions That Triggered Recalculations of Base Year Emissions
2022	2022 being the year that the Group shifted its business focus from ship owner and operator to ship management.	1,122.86mt	Not applicable

### (305-2) SOURCE OF EMISSIONS FACTORS

### **FY 2022**

Scope 2 emission factor is based on electricity grid emission factor for 2021 from Energy Market Authority of Singapore (EMA).

### (305-2) CONSOLIDATION APPROACH FOR EMISSIONS

### **FY 2022**

Consolidation approach for Scope 2 emission is based on equity share where the Company has majority financial and operational control.

### (305-2) STANDARDS USED

### **FY 2022**

Scope 2 emission is based on energy consumption of the Group multiply by EMA electricity grid emission factor.

### **GROSS OTHER INDIRECT (SCOPE 3) EMISSIONS**

### FY 2022

86,987 Metric Tonnes



### **GASES INCLUDED IN (SCOPE 3) EMISSIONS**

**FY 2022** 

CO2

### **BIOGENIC CO2 EMISSIONS - SCOPE 3**

FY 2022

Not applicable

### **OTHER INDIRECT (SCOPE 3) GHG EMISSIONS CATEGORIES**

### **FY 2022**

Scope 3 emission is mainly attributed to fuel consumption of third party vessels manage by the Group.

### **BASE YEAR - SCOPE 3**

**DATE**: FY 2022

Base Year	i. The Rationale for Choosing Base Year	ii. Emissions in the Base Year	iii. The Context for Any Significant Changes in Emissions That Triggered Recalculations of Base Year Emissions
2022	2022 being the year that the Group shifted its business focus from ship owner and operator to ship management.	86,987mt	Not applicable

### (305-3) SOURCE OF EMISSIONS FACTORS

### FY 2022

Scope 3 emission factor is based on IMO emission factor due to combustion of fuel.

### (305-3) STANDARDS USED

### **FY 2022**

Scope 3 emission is based on fuel consumption of third-party vessels manage by the Group and IMO emission factor due to combustion of fuel.



#### **GHG EMISSIONS INTENSITY**

### **FY 2022**

0.00006

**2022 Latest Explain/Notes**: (i) Emission intensity (Scope 1 and 2) (Metric Tonnes per unit of revenue) = Total emission (Scope 1 and 2) (Metric Tonnes)/Revenue (SGD) (ii) Exchange rate = USD1:SGD1.3446

### **ORGANIZATION-SPECIFIC METRIC – EMISSIONS**

### **FY 2022**

The Group tracks CO2, NOx and SOx emissions from vessel operations.

#### TYPE OF GHG EMISSIONS IN INTENSITY RATIO

### **FY 2022**

Direct (Scope 1)
Indirect (Scope 2)

#### **GASES INCLUDED IN INTENSITY**

### FY 2022

CO2

### **GHG EMISSIONS REDUCED DUE TO REDUCTION INITIATIVES**

### FY 2022

0 Metric Tonnes

**2022 Latest Explain/Notes**: The Group has set 2022 as the base year for this report. 2022 being the year that the Group shifted its business focus from ship owner and operator to ship management. Tracking and disclosure of emissions reduction against base year will be included in subsequent sustainability reporting.

### **GASES INCLUDED IN EMISSIONS REDUCTION**

### FY 2022

Not applicable



### **BASE YEAR - EMISSIONS REDUCTION**

**DATE**: FY 2022

Base Year	i. The Rationale for Choosing Base Year	ii. Emissions in the Base Year	iii. The Context for Any Significant Changes in Emissions That Triggered Recalculations of Base Year Emissions
2022	2022 being the year that the Group shifted its business focus from ship owner and operator to ship management. Tracking and disclosure of emission reduction against base year will be included in subsequent sustainability reporting.	3,356.86mt	Not applicable

**2022 Latest Explain/Notes**: Emission in base year is the combined Scope 1 and 2 emissions.

### **SCOPES FOR EMISSIONS REDUCTIONS**

### **FY 2022**

Not applicable

### (305-5) STANDARDS USED

### FY 2022

Not applicable

### PRODUCTION, IMPORTS AND EXPORTS OF ODS

### FY 2022

Not applicable

### SUBSTANCES INCLUDED IN THE CALCULATION

### FY 2022

Not applicable



### (305-6) SOURCE OF THE EMISSION FACTORS USED

### FY 2022

Not applicable

### **SIGNIFICANT AIR EMISSIONS**

### **FY 2022**

i. NOx (Oxides of Nitrogen)1363 Metric Tonnes

ii. SOx (Sulfur oxides)73 Metric Tonnes

### (305-7) SOURCE OF EMISSIONS FACTORS

### **FY 2022**

NOx and SOx emission factor is based on IMO emission factor due to combustion of fuel.

### (305-7) STANDARDS USED

### **FY 2022**

NOx and SOx emission is based on the total fuel consumption of third party vessels manage by the Group and vessels own and operate by the Group multiply by IMO emission factor due to combustion of fuel.

### **WASTE GENERATED**

Waste Composition	Hazardous Waste Generated	Non-hazardous Waste Generated
Biomass	Omt	Omt
Textiles	Omt	Omt
Metals	Omt	340mt
Non-metalic minerals	912mt	730mt
Plastics	Omt	0.063mt



### (306-3) CONTEXTUAL INFORMATION - WASTE GENERATED

### **FY 2022**

Waste generated by the Group is handled by licensed waste management firms that have to adhere to local regulatory requirements. Waste is sorted at our offices and shipyard and collected by waste management firms for disposal or recovery. Waste recycled by the Group include metals, wood, paper, glass, plastics and blasting grit. Waste disposal and recovery data is provided by waste management firms.

### **COMPANY OPERATIONS AT RISK FROM LACK OF WATER**

### **FY 2022**

0

**2022 Latest Explain/Notes**: Shipyard operations relies on access to water for business viability. Water withdrawal by shipyard operations is mainly from seawater and NEWater (treated waste water) and the risk from lack of water is assessed to be low.

### **RISK ASSESSMENT**

**DATE**: FY 2022

Do you have an implemented risk assessment process that is integrated into a multidisciplinary company – wide risk process?	Have you communicated the results with your key stakeholders?	Is there continuous monitoring of the risks to companies and stakeholders?
Yes	Yes	Yes

**2022 Latest Explain/Notes**: The Group's system of internal controls and risk management include policies and processes to identify and mitigate operational risks, including risks relating to the material ESG factors identified by the Group. More information on the risk management process is provided under SGX Core 23A of this report and in the Annual Report FY2022.



### **PARIS ALIGNED CLIMATE TARGETS**

**DATE**: FY 2022

Does the company set science-based targets in line with the goals of the Paris Agreement?	Company's progress towards its long-term Paris Aligned renewable energy consumption target?	Please provide details of your target such as base year and absolute number	Company's progress towards its Paris Aligned renewable energy production target?	Please provide details of your target such as base year and absolute number
Yes	0	The Group has set 2022 as the base year for this report. 2022 being the year that the Group shifted its business focus from ship owner and operator to ship management. Tracking and disclosure of renewal energy consumption against base year will be included in subsequent sustainability reporting.	0	Not applicable

### **R&D LOW-CARBON TECHNOLOGY**

### FY 2022

0 millions SGD

**2022 Latest Explain/Notes**: The Group does not track expenses in such areas presently and will consider tracking and disclosing such expenses going forward, if applicable.

### REVENUE GENERATED FROM PRODUCTS AND/OR SERVICES PROVIDING LOW-CARBON ENERGY SERVICES

**DATE**: FY 2022

Level of Aggregation		Revenue from low-carbon product(s) in the reporting year		
Company-wide	Refer to Notes	0 millions SGD		

**2022 Latest Explain/Notes**: The Group does not track revenue derived from low-carbon products presently and will consider tracking and disclosing such revenue going forward.



#### **CARBON PRICE**

**DATE**: FY 2022

Do you set a carbon price?	Objective for implementing an internal carbon price	Carbon Price Value
No	Not applicable	0 millions SGD

### **CORPORATE STRATEGIES – CLIMATE CHANGE ADAPTATION**

**DATE**: FY 2022

Do you have a strategy to adapt to the changes likely to be caused by climate change?	Is it monitored at a governance level or reported on?
Yes	Yes

**2022 Latest Explain/Notes**: We are stepping up efforts to diversify our business activities into renewable energy sector. We support the use of low-carbon energy sources to fuel oil as they become operationally and economically viable, and are increasing our stakeholder engagement, in particular with our ship management customers on this front. During the energy transition period, we will seek out energy transition opportunities such as in decommissioning of oil and gas infrastructure and installation of renewable energy infrastructure.

### **RISK ASSESSMENT – FOR SOCIAL AND ENVIRONMENTAL HAZARDS**

### FY 2022

100%

**2022 Latest Explain/Notes**: Social and environmental risks are assessed as part of the overall risk assessment for the material ESG factors that the Group has identified.

### **GHG (CO2) ABSOLUTE EMISSIONS - TOTAL**

### FY 2022

90,343.86 Metric Tonnes

**2022 Latest Explain/Notes**: Total absolute emissions is the combined Scope 1, 2 and 3 emissions.



### **GHG (CO2) EMISSIONS INTENSITY – TOTAL**

**DATE**: FY 2022

Total GHG (CO2) Emissions	Organisational Metric Used to Calculate Intensity	Total Revenue	Total Emissions Intensity (by Revenue)	Total Organisational Headcount (Number of Employees)	Total Emissions Intensity (by Total Headcount)	Total Organisational Floor Area	Intensity	What is the Organisational Metric Being Used as the Denominator to Calculate Emissions Intensity?	Total Units, or Total Annual Amount (of 'Other' Organisational Metric)	Total Emissions Intensity (by 'Other' Organisational Metric)
---------------------------------	--	------------------	---	--	--	---------------------------------------	-----------	---	---	--

90,343.86 Revenue 51,932,490 0.0017

**2022 Latest Explain/Notes**: (i) Emission intensity (Metric Tonnes per unit of revenue) = Total emission (Scope 1, 2, and 3) (Metric Tonnes)/Revenue (SGD) (ii) Exchange rate = USD1:SGD1.3446

### **GHG (CO2) EMISSIONS INTENSITY – SCOPE 1**

**DATE**: **FY** 2022

Scope 1 GHG Emissions	Organisational Metric Used to Calculate Intensity	Total Revenue	Emissions Intensity (by	Organisational Headcount (Number of	Scope 1 Emissions Intensity (by Total Headcount)	Total Organisational Floor Area	Scope 1 Emissions Intensity (by Total Floor Area)	What is the Organisational Metric Being Used as the Denominator to Calculate Emissions Intensity?	Total Units, or Total Annual Amount (of 'Other' Organisational Metric)	Total Emissions Intensity (by 'Other' Organisational Metric)
		51 932 490								

2,234 Revenue 51,932,490 0.000043

**2022 Latest Explain/Notes**: (i) Emission intensity (Metric Tonnes per unit of revenue) = Emission (Scope 1) (Metric Tonnes)/Revenue (SGD) (ii) Exchange rate = USD1:SGD1.3446

### **GHG (CO2) EMISSIONS INTENSITY – SCOPE 2**

**DATE**: FY 2022

Scope 1 GHG Emissions	Organisational Metric Used to Calculate Intensity		Emissions Intensity (by	Organisational Headcount (Number of	Intensity (by Total		Scope 1 Emissions Intensity (by	What is the Organisational Metric Being Used as the Denominator to Calculate Emissions Intensity?	1,	Total Emissions Intensity (by 'Other' Organisational Metric)
-----------------------------	--	--	----------------------------	---	------------------------	--	---------------------------------------	--	----	--

1,122.86 Revenue 51,932,490 0.000022 SGD

**2022 Latest Explain/Notes**: (i) Emission intensity (Metric Tonnes per unit of revenue) = Emission (Scope 2) (Metric Tonnes)/Revenue (SGD) (ii) Exchange rate = USD1:SGD1.3446



### **GHG (CO2) EMISSIONS INTENSITY - SCOPE 3**

**DATE**: FY 2022

Scope 3 GHG Emissions	Organisational Metric Used to Calculate Intensity	Total Revenue	Scope 3 Emissions Intensity (by Revenue)	(Number of	Scope 3 Emissions Intensity (by Total Headcount)	Total Organisational Floor Area	Scope 3 Emissions Intensity (by Total Floor Area)	What is the Organisational Metric Being Used as the Denominator to Calculate Emissions Intensity?	Total Units, or Total Annual Amount (of 'Other' Organisational Metric)	Total Emissions Intensity (by 'Other' Organisational Metric)
		E1 022 400								

86,987 Revenue 51,932,490 0.0017

**2022 Latest Explain/Notes**: (i) Emission intensity (Metric Tonnes per unit of revenue) = Emission (Scope 3) (Metric Tonnes)/Revenue (SGD) (ii) Exchange rate = USD1:SGD1.3446

### **LIST OF RELEVANT CERTIFICATIONS**

**DATE**: FY 2022

Certification Name	Certification Period	Certification Body
ISO 9001	8 Oct 2017 to 8 Oct 2023	ABS Quality Evaluation
IS014001	8 Oct 2017 to 8 Oct 2023	ABS Quality Evaluation
BizSAFE Level 3	8 Dec 2020 to 7 Dec 2023	Workplace Safety and Health (WSH) Council, Ministry of Manpower

### **ALIGNMENT WITH FRAMEWORKS AND DISCLOSURE PRACTICES**

### FY 2022

This report has been prepared with reference to GRI standards. GRI is a globally-recognised sustainability reporting framework and the Group has consistently adopted GRI as the framework for its sustainability reporting since 2017. This report complies with TCFD recommendations as well as the sustainability reporting guidelines of SGX.



### **ASSURANCE OF SUSTAINABILITY REPORT**

**DATE**: FY 2022

Level of Assurance	Describe Scope of Assurance
Internal assurance	The scope of internal audit covers the review of the following:
	(i) established policies and procedures;
	(ii) completeness of the primary components of sustainability report as set out in SGX Listing Manual Section 711B(1);
(i	iii) reporting scope and boundaries;
(:	iv) identification and selection of material ESG factors, including its relevancy to the industry and business of the Group;
(	(v) selection and approval of sustainability reporting framework;
(	vi) performance information collation process, including responsibilities of each data provider; and
(v	rii) review of disclosure against SGX Core ESG metrics.

### **TOTAL WASTE GENERATION INTENSITY**

### FY 2022

0.00004

**2022 Latest Explain/Notes**: (i) Total waste generation intensity (Metric Tonnes per unit of revenue) = Total waste generated (Metric Tonnes)/Revenue (SGD) (ii) Exchange rate = USD1:SGD1.3446

### **MANAGEMENT TEAM SIZE**

### FY 2022

5

**2022 Latest Explain/Notes**: Management team refers to the executive management committee, comprising the Executive Chairman, Chief Executive Officer, Chief Financial Officer, Chief Commercial Officer and Chief Operating Officer.



### **WATER RISK ASSESSMENT**

**DATE**: FY 2022

i. Current Status of Ecosystems and		
No	No	No

2022 Latest Explain/Notes: Water risk does not form part of the core business risks of the Group.

### **INVESTMENT IN WATER RECYCLING**

### FY 2022

0 millions SGD

**2022 Latest Explain/Notes**: Investment in water recycling/reuse infrastructure and technologies does not form part of the core business strategies and risks of the group.

### **COMPANY FACILITIES – WATER TREATMENT**

**DATE**: FY 2022

Number of company facilities with wastewater management/treatment facilities?		Percentage of company facilities with wastewater management/ treatment facilities?
0	2	0

**2022 Latest Explain/Notes**: The Group does not own wastewater management/treatment facilities.



### **GRI CONTENT INDEX**

Statement of use	Pacific Radiance Ltd has reported the information cited in this GRI content index for the period from 1 January 2022 to 31 December 2022 with reference to the GRI Standards.
GRI 1 used	GRI 1: Foundation 2021

GRI STANDARD	DISCLOSURE	LOCATION
GRI 2: General Disclosures	2-1 Organizational details	Annual Report FY2022
2021	2-2 Entities included in the organization's sustainability reporting	Sustainability Report FY2022 TCFD: Material Topic – Boundary
	2-3 Reporting period, frequency and contact point	<b>Sustainability Report FY2022</b> About This Report
	2-4 Restatements of information	Not applicable
	2-5 External assurance	<b>Sustainability Report FY2022</b> SGX Core 27
	2-6 Activities, value chain and other business relationships	Annual Report FY2022  · Corporate Profile
	2-7 Employees	<b>Sustainability Report FY2022</b> SGX Core 8, 9, 10, 11, 12, 13, 14, 15, 22
	2-8 Workers who are not employees	Not Applicable
	2-9 Governance structure and composition	Annual Report FY2022
	2-10 Nomination and selection of the highest governance body	<ul> <li>Corporate Governance Report</li> <li>Sustainability Report FY2022</li> <li>SGX Core 20</li> <li>TCFD:</li> <li>Committees Responsible For</li> </ul>
	2-11 Chair of the highest governance body	
	2-12 Role of the highest governance body in overseeing the management of impacts	
	2-13 Delegation of responsibility for managing impacts	Decision-making On ESE Topics
	2-14 Role of the highest governance body in sustainability reporting	<ul> <li>Process For Delegation</li> <li>Executive-level Positions Responsible For Environmenta Topics</li> <li>Highest Governance Bodies Role – Environmental Topics</li> <li>Governance Body – ESE Knowledge</li> <li>Highest Governance Body Role – ESE Risks</li> <li>Highest Governance Body Role – ESE Risks Using Stakeholder Consultation</li> </ul>
	2-15 Conflicts of interest	
	2-16 Communication of critical concerns	
	2-17 Collective knowledge of the highest governance body	
	2-18 Evaluation of the performance of the highest governance body	
	2-19 Remuneration policies	
	2-20 Process to determine remuneration	
	2-21 Annual total compensation ratio	
	2-22 Statement on sustainable development strategy	<ul> <li>Governance Bodies Role         <ul> <li>In Reviewing</li> <li>Frequency of Review</li> <li>Highest Committee That                 Review Sustainability Report</li> <li>Material Topic – Statement</li> </ul> </li> </ul>



GRI STANDARD	DISCLOSURE	LOCATION
	2-23 Policy commitments	Annual Report FY2022
	2-24 Embedding policy commitments	Corporate Governance Report
	2-25 Processes to remediate negative impacts	Sustainability Report FY2022
	2-26 Mechanisms for seeking advice and raising	Introduction
	concerns	SGX Core 23, 24, 26, 27, 28
	2-27 Compliance with laws and regulations	<ul> <li>TCFD:</li> <li>Sustainability Statement</li> <li>Key Impacts, Risks And Opportunities</li> <li>Material Topic – Statement</li> <li>Risks And Opportunities Posed By Climate Change</li> </ul>
	2-28 Membership associations	Not Applicable
	2-29 Approach to stakeholder engagement	Annual Report FY2022  Corporate Governance Report
		Sustainability Report FY2022 Introduction
		SGX Core 28
		TCFD: • Highest Governance Body Role • ESE Risks Using Stakeholder Consultation
	2-30 Collective bargaining agreements	Not Applicable
GRI 3: Material Topics 2021	3-1 Process to determine material topics	Sustainability Report FY2022
	3-2 List of material topics	Introduction
	3-3 Management of material topics	SGX Core 28
		TCFD:  Key Impacts, Risks And Opportunities  Highest Governance Body Role ESE Risks  Highest Governance Body Role ESE Risks Using Stakeholder Consultation  An Explanation Of Why The Topic Is Material  Material Topic — Boundary  Material Topic — Description  Statement Of The Purpose Of The Management Approach  Management Approach  Risks And Opportunities Posed By Climate Change



GRI STANDARD	DISCLOSURE	LOCATION
GRI 201: Economic	201-1 Direct economic value generated and distributed	Annual Report FY2022
Performance 2016	201-2 Financial implications and other risks and	· Financial Statements
	opportunities due to climate change	Sustainability Report FY2022
	201-3 Defined benefit plan obligations and other	<ul> <li>Risks And Opportunities Posed</li> </ul>
	retirement plans	By Climate Change
	201-4 Financial assistance received from government	
GRI 202: Market Presence	202-1 Ratios of standard entry level wage by gender	Not Applicable
2016	compared to local minimum wage	
	202-2 Proportion of senior management hired from the local community	Not Included
GRI 203: Indirect Economic	203-1 Infrastructure investments and services	Not Applicable
Impacts 2016	supported	
	203-2 Significant indirect economic impacts	
GRI 204: Procurement Practices 2016	204-1 Proportion of spending on local suppliers	Not Included
GRI 205: Anti-corruption 2016	205-1 Operations assessed for risks related to corruption	Sustainability Report FY2022 SGX Core 23, 24
	205-2 Communication and training about anti-corruption	
	policies and procedures	
	205-3 Confirmed incidents of corruption and actions	
	taken	
GRI 206: Anti-competitive	206-1 Legal actions for anti-competitive behavior,	Not Applicable
Behavior 2016	anti-trust, and monopoly practices	
GRI 207: Tax 2019	207-1 Approach to tax	Not Included
	207-2 Tax governance, control, and risk management	
	207-3 Stakeholder engagement and management of	
	concerns related to tax	
	207-4 Country-by-country reporting	
<b>GRI 301: Materials 2016</b>	301-1 Materials used by weight or volume	Not Included
	301-2 Recycled input materials used	
	301-3 Reclaimed products and their packaging materials	
GRI 302: Energy 2016	302-1 Energy consumption within the organization	Sustainability Report FY2022
	302-2 Energy consumption outside of the organization	SGX Core 3, 4
	302-3 Energy intensity	TCFD:
	302-4 Reduction of energy consumption	<ul> <li>Sections on Energy from</li> </ul>
	302-5 Reductions in energy requirements of products and services	Page 47 to 50
GRI 303: Water and Effluents	303-1 Interactions with water as a shared resource	Sustainability Report FY2022
2018	303-2 Management of water discharge-related impacts	SGX Core 5, 6
	303-3 Water withdrawal	TCFD:
	303-4 Water discharge	Sections on Water from
	303-5 Water consumption	Page 50 to 53
	303-3 water consumption	



GRI STANDARD	DISCLOSURE	LOCATION
GRI 304: Biodiversity 2016	304-1 Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas 304-2 Significant impacts of activities, products and services on biodiversity 304-3 Habitats protected or restored	Not Applicable
	304-4 IUCN Red List species and national conservation list species with habitats in areas affected by operations	
GRI 305: Emissions 2016	305-1 Direct (Scope 1) GHG emissions 305-2 Energy indirect (Scope 2) GHG emissions 305-3 Other indirect (Scope 3) GHG emissions 305-4 GHG emissions intensity 305-5 Reduction of GHG emissions 305-6 Emissions of ozone-depleting substances (ODS) 305-7 Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions	Sustainability Report FY2022 SGX Core 1, 2 TCFD: Sections on Emission from Page 53 to 59
GRI 306: Waste 2020	306-1 Waste generation and significant waste-related impacts 306-2 Management of significant waste-related impacts 306-3 Waste generated 306-4 Waste diverted from disposal 306-5 Waste directed to disposal	Sustainability Report FY2022 SGX Core 7 TCFD:  Waste Generated
GRI 308: Supplier Environmental Assessment 2016	308-1 New suppliers that were screened using environmental criteria 308-2 Negative environmental impacts in the supply chain and actions taken	Sustainability Report FY2022 TCFD: • Percentage Of Suppliers Who Report On Sustainability
GRI 401: Employment 2016  GRI 402: Labor/Management	401-1 New employee hires and employee turnover 401-2 Benefits provided to full-time employees that are not provided to temporary or part-time employees 401-3 Parental leave 402-1 Minimum notice periods regarding operational	Sustainability Report FY2022 Introduction SGX Core 9, 11, 12 Not Included
Relations 2016	changes	

GRI STANDARD	DISCLOSURE	LOCATION
GRI STANDARD GRI 403: Occupational Health and Safety 2018	403-1 Occupational health and safety management system  403-2 Hazard identification, risk assessment, and incident investigation  403-3 Occupational health services  403-4 Worker participation, consultation, and communication on occupational health and safety  403-5 Worker training on occupational health and safety  403-6 Promotion of worker health  403-7 Prevention and mitigation of occupational health and safety impacts directly linked by business relationships  403-8 Workers covered by an occupational health and	Sustainability Report FY2022 Introduction SGX Core 16, 17, 18, 19, 28 TCFD:  Material Topic – Description Material Topic – Statement Management Approach
	safety management system  403-9 Work-related injuries  403-10 Work-related ill health	
GRI 404: Training and Education 2016	404-1 Average hours of training per year per employee 404-2 Programs for upgrading employee skills and transition assistance programs 404-3 Percentage of employees receiving regular performance and career development reviews	Sustainability Report FY2022 Introduction SGX Core 14, 15 TCFD: Material Topic – Description Material Topic – Statement Management Approach
GRI 405: Diversity and Equal Opportunity 2016	405-1 Diversity of governance bodies and employees 405-2 Ratio of basic salary and remuneration of women to men	<b>Sustainability Report FY2022</b> SGX Core 8, 9, 10, 11, 12, 13, 20, 21
GRI 406: Non-discrimination 2016	406-1 Incidents of discrimination and corrective actions taken	
GRI 407: Freedom of Association and Collective Bargaining 2016	407-1 Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	Not Applicable
GRI 408: Child Labor 2016	408-1 Operations and suppliers at significant risk for incidents of child labor	Not Applicable
GRI 409: Forced or Compulsory Labor 2016	409-1 Operations and suppliers at significant risk for incidents of forced or compulsory labor	Not Applicable
GRI 410: Security Practices 2016	410-1 Security personnel trained in human rights policies or procedures	Not Applicable
GRI 411: Rights of Indigenous Peoples 2016	411-1 Incidents of violations involving rights of indigenous peoples	Not Applicable
GRI 413: Local Communities 2016	413-1 Operations with local community engagement, impact assessments, and development programs 413-2 Operations with significant actual and potential negative impacts on local communities	Not Included



GRI STANDARD	DISCLOSURE	LOCATION
GRI 414: Supplier Social Assessment 2016	414-1 New suppliers that were screened using social criteria	Sustainability Report FY2022 TCFD:
	414-2 Negative social impacts in the supply chain and actions taken	Percentage Of Suppliers Who Report On Sustainability
GRI 415: Public Policy 2016	415-1 Political contributions	Not Applicable
GRI 416: Customer Health and Safety 2016	416-1 Assessment of the health and safety impacts of product and service categories	<b>Sustainability Report FY2022</b> SGX Core 16, 17, 18, 19
	416-2 Incidents of non-compliance concerning the health and safety impacts of products and services	
GRI 417: Marketing and Labeling 2016	417-1 Requirements for product and service information and labeling	Not Included
	417-2 Incidents of non-compliance concerning product and service information and labeling	
	417-3 Incidents of non-compliance concerning marketing communications	
GRI 418: Customer Privacy 2016	418-1 Substantiated complaints concerning breaches of customer privacy and losses of customer data	No reported incident.