BOUNDLESS CONNECTIVITY

Corporate Presentation on Growth Drivers & Business Prospects

Updated as at 14th December 2020

ADDVALUE

Addvalue Proprietary & Confidential

Our Core Mission

To optimise customers' real business potentials by their harnessing of products & services offered by us



Addvalue Proprietary & Confidential

Our Business Pillars

	Business Pillar	Target Application/Industry
1	Inter-Satellite Data Relay System ("IDRS")-Related Business	• For Low-Earth-Orbit space industry
2	 Integrated Products & Services ("IPS")-Related Business Via Vessel Monitoring System ("VMS") solutions (in compliance with fisheries laws) Via Internet-of-Things ("IoT")/Machine-to-Machine ("M2M") connectivity 	 For fisheries sustainability For environmental sustainability For disaster response For governmental programs
3	 Reconfigurable Embedded System ("RES")-Related Business Via Software Defined Radio ("SDR") in catering to increasing need for agile communications Via FPGA/System-on-Chip ("SoC") in catering for Edge Computing applications 	For government organizationsFor commercial enterprises
4	Design-cum-Supply Business	 For design & supply contracts aiming at global industrial movements for digital connectivity & applications

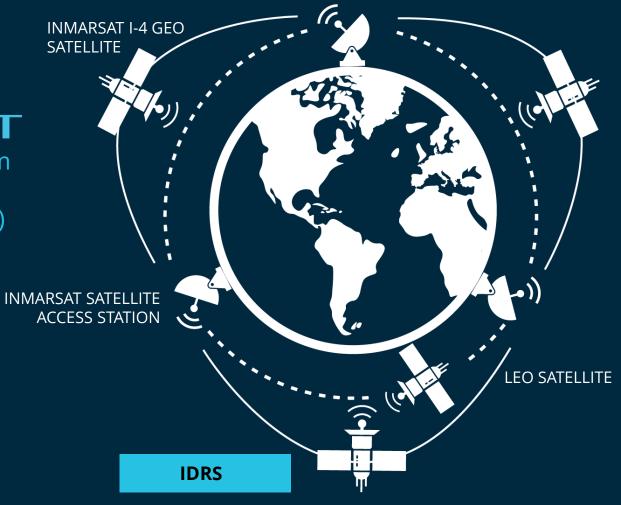


Our IDRS-Related Business

THE WORLD'S FIRST

and presently the only communications system relayed through a GEO satellite constellation system for commercial Low-Earth-Orbit ("LEO") satellite operators



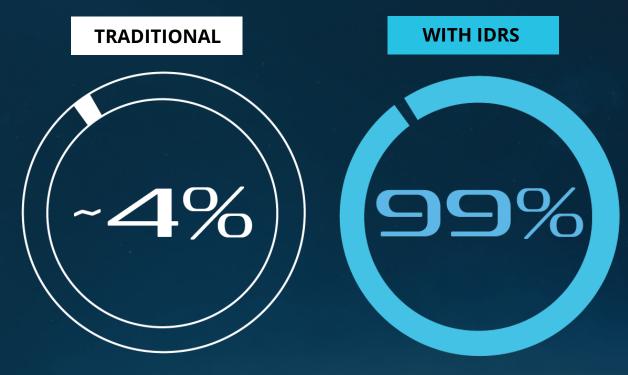


GLOBAL coverage Builds on use of INMARSAT-4 constellation GLOBAL connectivity Builds on use of BGAN ground infrastructure



Our IDRS-Related Business

- Allows 24 x7 continuous monitoring and control
- Increase connection time with LEO satellites by up to
 2375%
- Revenue to be generated from:
 - Sales of flight equipment
 - Engineering service for ground test support
 - Data connectivity service, including provision of solution/airtime



Communication with LEO satellite is around 4% of the orbit Communication with LEO satellite is up to 99% of the orbit



Our IDRS-Related Business - Key Diverse Growth Drivers

- LEO satellite market to reach US\$3.6 billion by 2026 from US\$1.97 billion in 2020 at a CAGR of 10.5% p.a.*
- LEO satellite industry now experiences a space race for many enterprise, government & consumer activities
- Potential IDRS customers from the LEO satellite industry include:
 - All sorts of earth observations mission providers (be it Optical-based or Synthetic Aperture Radar ("SAR")-based)
 - Satellite manufacturers
 - Hosted payloads service providers
 - Remote IoT sensing operators
 - Ground station service providers
 - Special missions such as space debris disposal, shooting stars shows
- Addvalue now stands ready to offer commercial IDRS service in partnership with Inmarsat
 - World's first and currently the only IDRS commercial service available globally

*Based on Industry Research



Our IDRS-Related Business - Business Prospects

- Secured 3 clients (including Capella Space ("CS")) to date
 - First commercial satellite (embedded with our IDRS terminal) successfully launched to orbit on 31 Aug 2020
 - IDRS service commissioned in Nov 2020 for "Sequoia", the first of CS's constellation of 36 SAR satellites
 - Airtime revenue to follow suit soon; such will grow in tandem with the built-up of full satellite constellation
 - Additional IDRS terminals shipped to CS for imminent launches
 - A total of 7 IDRS terminals delivered so far for clients' launch missions
 - In excess of 120 satellites to be deployed in accordance with existing 3 clients' constellation plans
- Sales pipeline comprises space industry heavy weights, established players & well-funded start-ups
 - More than 30 potential customers at various stages of discussion, representing an aggregate of at least 700 satellites
 - Expect to sign at least 2 new accounts by end FY2021 for an aggregate of at least 49 additional satellites



Our IPS (VMS)-Related Business – Key Diverse Growth Drivers

• Increasing global awareness of sustainable fishing

• Push by global governments for law enforced measures in monitoring fishing activities

Global gravitation towards digital-driven economy

• Accelerated adoption of digital platforms by fishing industries

Riding on high growth addressable market now standing at > 1,500,000 vessels* globally:

- Vessel length > 24m
 50,000 vessels*
- Vessel length 12–24m
 154,000 vessels*
- Vessel length < 12m

1.385 million vessels*

*Based on survey by Inmarsat



Our IPS (VMS)-Related Business – Business Prospects

Our VMS solutions (embedded in our iFleetOne terminals) were duly certified by :

- United States National Marine Fisheries Services, USA ("NMFS") a.k.a. National Oceanic and Atmospheric Administration, USA ("NOAA") Fisheries
- Pacific Islands Forum Fisheries Agency ("FFA")
- Western and Central Pacific Fisheries Commission ("WCPFC")

• Partnership/Agent forged to date:

- CTTIC Shanghai Co Ltd, an affiliate of China Ministry of Transport
- Pivotel, USA
- Mackay Communications, USA

Targeted operating sea region:

Pacific Ocean, East Asia, SEA & South Asia sea regions South east of USA & the Gulf of Mexico sea regions North America, the Gulf of Mexico & Pacific Ocean sea regions

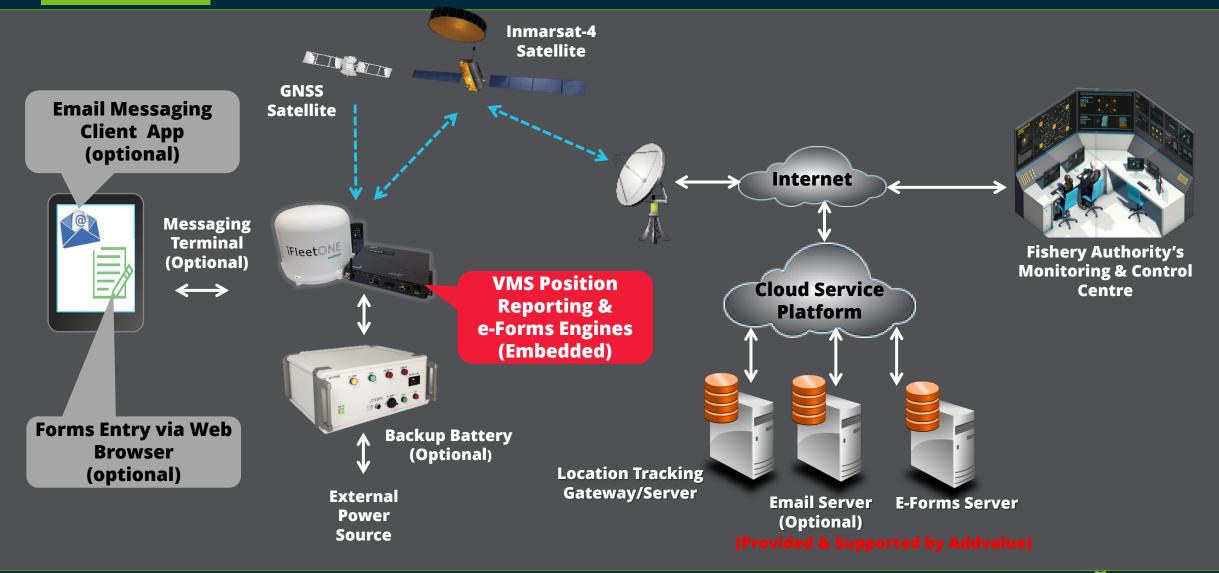
- A combined target of more than 20,000 vessels in respect of the mandatory tracking and fishing trip declaration reporting market in the North America & Pacific Ocean sea regions
 - Expect to capture at least 1,000 vessels (in generating a combined revenue equivalent to about US\$2 million) within the next 12 months
 - Expect to generate at least US\$2 million in recurring solution/airtime subscription income annually upon the garnering of a market share of 30% of the target market

Other target fishing vessel opportunities:

- South East Asia sea regions with a fishing fleet size of more than 180,000 vessels
- South Asia sea regions with a fishing fleet market size of more than 140,000 vessels
- EU fisheries industry

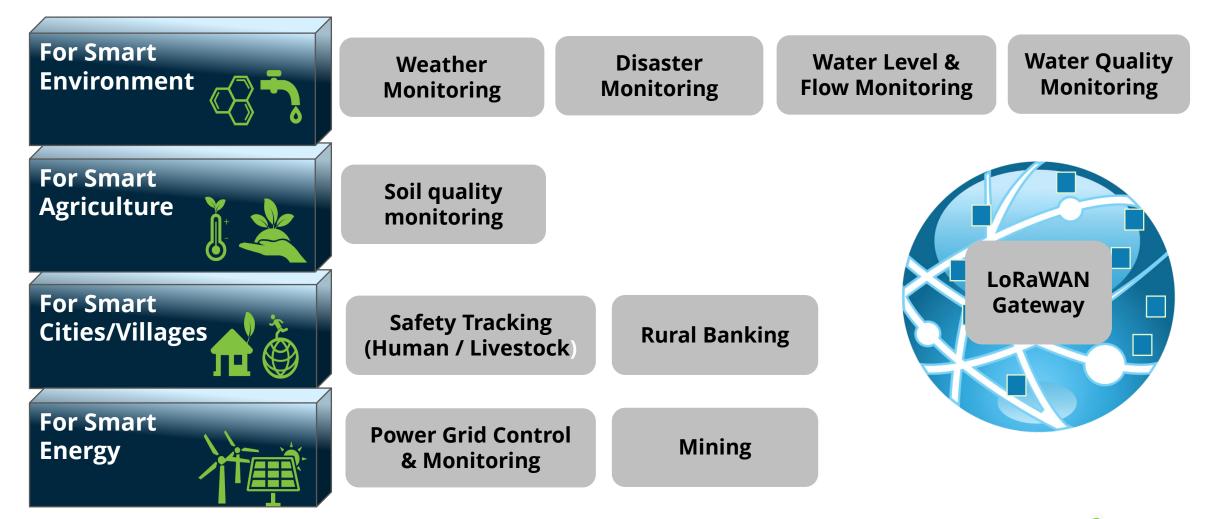


Our IPS (VMS)-Related Business – For End-to-End Solutions





Our IPS (IoT/M2M)-Related Business – Key Diverse Growth Drivers





Our IPS (IoT/M2M)-Related Business - Business Prospects

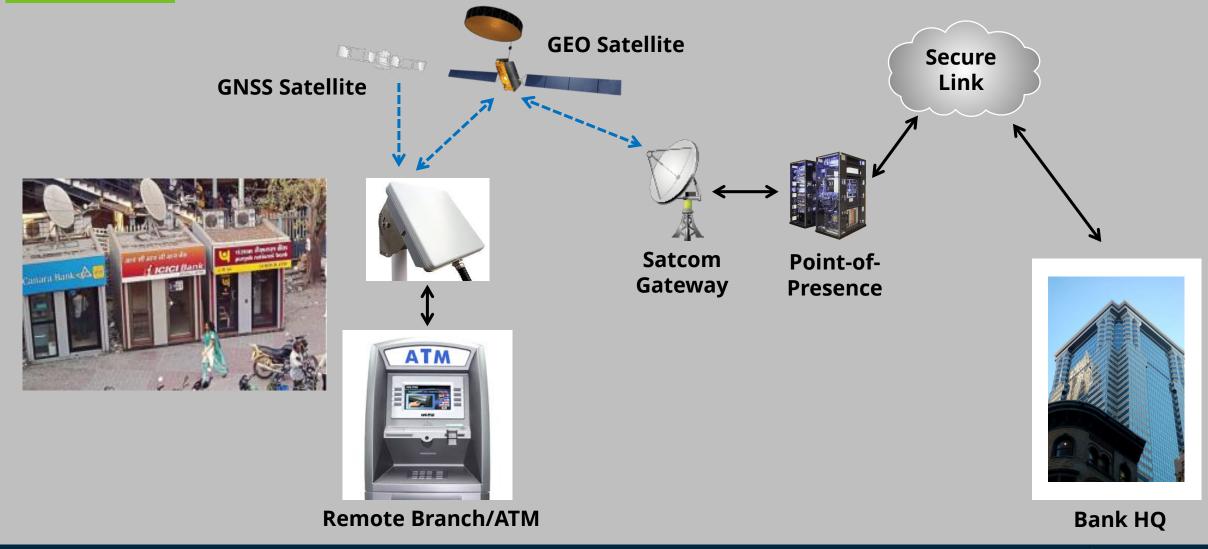


- Powerline Management in Indonesia
 - 2,000 sites to be managed over 3 years from now
- Weather Monitoring & Animal Tracking in Chile
 - 60 sites to be monitored by 2021
- ATMs & Points of Sales in developing countries
 - In bridging the digital economic gaps
- Indonesia Financial Inclusion Initiatives
 - CAGR of 7.8% p.a. between 2018 and 2026*
 - Collaboration with 2 leading banks for trials
 - Addressable market of > 10,000 ATMs over 3 years

*Based on Persistence Market Research in 2018



Our IPS (IoT/M2M)-Related Business – For Rural ATM & Point of Sale Applications





Our RES-Related Business – Key Diverse Growth Drivers

Highly Integrated & Flexible RES (based on State-of-the-Art FPGA/DSP) in high demand for:

Software Defined Radio ("SDR") Market

- Global SDR market size estimated at US\$20.4 billion in 2019*
- Anticipated to grow at a CAGR of 8.7% p.a. from 2020 to 2027* due to increasing need for agile communication driven by:
 - The Defence industry
 - The Space industry

• Edge Computing Market

- Edge computing market valued at US\$1.75 billion in 2019+
- Expected to reach US\$8.29 billion by 2025 at a CAGR of 29.4% p.a. from 2020 to 2025+ as:
 - Enterprises across all industries are adopting digital innovations, such as artificial intelligence, data analytics & block chain, to drive performance

*Based on Grand View Research – https://grandviewresearch.com/industry-analysis/software-defined-radio-sdr-market +Based on Mordor Intelligence - https://www.mordorintelligence.com/industry-reports/edge-computing-market-industry



Our RES-Related Business - Business Prospects

For Agile Communication Applications

- Sole developer & supplier of a proprietary customised SDR module & various RF modules in meeting wide ranging governmental requirements
- Aggregate sales of more than US\$2.5 million generated since 2019
- Potential orders for mass deployment of modules to exceed US\$2 million within the next 12 months





Our RES-Related Business - Business Prospects

For Edge Computing Applications

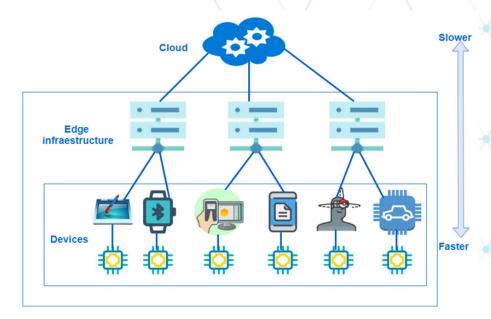


Figure 1: Edge and Cloud Computing.¹⁶

- Development of high-speed data processing embedded platforms for enterprise data science applications
- Partnership with leading companies in configurable technologies to tap into the rapidly growing market of edge computing applications in every conceivable industry
- Under a funding grant (entitled Eureka Globalstars-Singapore Call), jointly sponsored by Enterprise
 Singapore and Innovate UK, to jointly develop with
 SpaceChain and Alba Orbital a decentralised satellite
 infrastructure that powers a blockchain payload at
 its core to enable direct tasking of a satellite in realtime to target the fast growing blockchain market in
 a satellite environment



Our Design-cum-Supply Business



With diverse skillsets and deep capabilities, we take a "total solution" approach to develop new products for our valued partners/customers



Our Design-cum-Supply Business – Business Prospects

Existing design-cum-supply contracts

- For Avionica, a subsidiary of GE Aviation
 - Development of a new generation of Swift Broadband aviation terminal
 - Marked development progress to date
 - Supply revenue expected after completion of development in first half of 2021
- For defense industry
 - Development of various RF modules

• New design contracts under advanced discussion for kick-off in 2021/22

- For defense industry in respect of new communication modules
- For a space-based secure cloud data storage and global connectivity service provider in respect of new spacebased and terrestrial-based communication devices
- For a satellite operator In respect of a new communication terminal
- For an equipment condition monitoring market leader in respect of a customised industrial IoT solution for predictive and prescriptive maintenance management system



Revenues to be Generated from our Business Pillars

	Business Activity	Engineering services	Hardware supply	Value added services (including airtime/solution subscriptions)
	Type of Revenue	Engineering Fee	Product Sale	Usage/Subscription Income (Recurring in nature)
1	IDRS-Related Business	\checkmark	\checkmark	\checkmark
2	IPS-Related Business	\checkmark	\checkmark	\checkmark
3	RES-Related Business	\checkmark	\checkmark	\checkmark
4	Design-cum-Supply Business	\checkmark	\checkmark	

Based on the aforementioned growth drivers and business prospects, Addvalue is highly confident & optimistic about its performance for the next 18 months, particularly with regard to its IDRS-Related Business



Thank You

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