ASIAPHOS

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Corporate Presentation



June 2017

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This presentation should be read in conjunction with the:

- Unaudited financial statements announcement of AsiaPhos Limited for 4Q16 and financial year ended 31 December 2016, dated 20 Feb 2017; and 1Q17 results dated 26 April 2017
- Audited financial statements announcement of AsiaPhos Limited for the full year ended 31 December 2016, dated 31 March 2017 / Annual Report FY2016
- Offer document of AsiaPhos Limited dated 25 September 2013 (the "Offer Document")

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- Key messages / "2 minute 'What's New' extract"
- Share Price vs NAV
- Relative Commodity Price Performance



Our Business

- Our Vertically-Integrated Business Strategy
- Location of Mines & Production Plants
- **Gongxing Production Facilities**
- Rebuilding Programme (Phase 1: P4 factory)
- Photos: From Mines to Factory
- Examples of our sustainability efforts
- Competitive Strengths: Higher Quality Phosphate Rocks



Recent Developments

- MOUs with Mianyang Aostar / Lomon Chemicals
- Mian Mao Highway expected to improve access / haulage road
- Resource Tax Reform (Sichuan Gov't announcement)
- **Electricity Pricing Reforms**



Financial Highlights

- Income Statement Highlights
- Revenue: Upstream / Downstream Segment
- **Balance Sheet**



About Phosphate

- Why Phosphate? Essential to Life / No Substitutes
- Uses of Phosphate and Related Chemicals
- Potential demand growth (Electric Vehicles / Battery market)





Further Reading

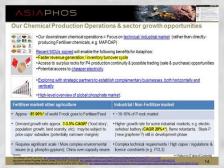
- Market Report: China adapts to 'new normal' of dwindling high grade phosphate reserves
- Electricity pricing reforms
- China: Phosphate Rock Production statistics
- "Favourable policies boost phosphorus industry in China" (Jan 2015)
- Phosphorus ore listed as strategic mineral resource in China (Dec 2016)
- "Among Volatile Mining plays, analysts prefer GEO Energy, GEAR, AsiaPhos" (The Edge, 2017-05-29)





"2 minute 'What's New' extract"

















Click on the individual 'thumbnails' / shortcuts, to review the respective full-size slides

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After eventful year (G20 Summit and Accident), our strategy to build up and diversify customer base is starting to bear fruit. Continued limited production of P4 in 1Q2017, to clear backlog of orders, build up su

2. Continued limited production of P4 in 1Q2017, to clear backlog of orders, build up sufficient inventory and to take advantage of rising selling prices. Electricity policy = Potential upside.

- 3. 1st time since our IPO: Profitable 1Q / positive operating cashflows.
- 4. <u>Increase in P4 output</u> is also expected following resumption of normal production of P4 by end-June 2017 with expected higher average selling prices. We will seek to capitalise on opportunities (as some P4 producers in other PRC provinces are shut for inspections).

Key messages 重要信息

- 5. Strategy will continue to evolve to further unlock the value inherent in our business. Refer to MOUs with Mianyang Aostar/QiMingXing & Lomon Chemicals (announced March 2017).
- 6. Will also develop the export market and capitalise on the <u>cooperation with QiMingXing</u> on trading their chemicals
- 7. Exploring with strategic partners to further integrate horizontally and vertically, in view of the potential market demand growth, from agriculture/ black phosphorous/ electric vehicles & LiFePO4 battery market)
- 8. <u>Successful Rights cum Warrants issue</u> will reduce reliance on financing from PRC banks and also reduce/remove constraints that hold back growth.



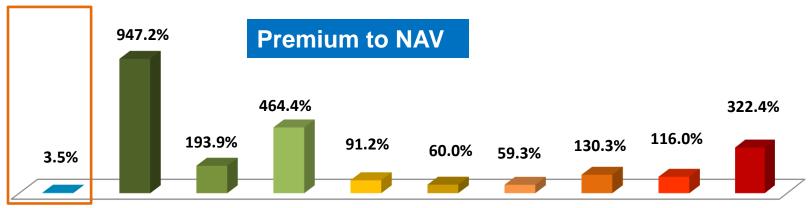












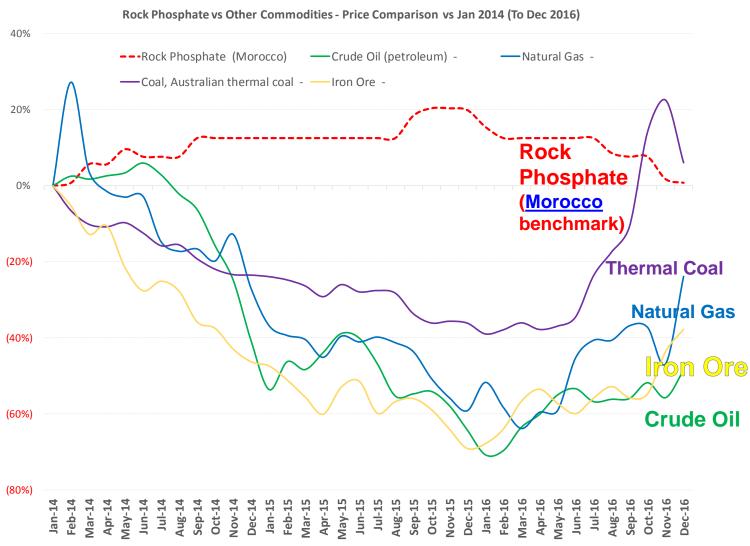
				Blackgold			Geo	Golden	Resources	
		Alliance	Anchor	Natural	CNMC	GCCP	Energy	Energy &	Prima	Wilton
	AsiaPhos	Mineral	Resources	Resources	Goldmine	Resources	Resources	Resources	Group	Resources
NAV (SGD)	0.088	0.034	0.030	0.023	0.136	0.023	0.160	0.189	0.013	0.016
Share Price (SGD)	0.091	0.355	0.087	0.127	0.26	0.036	0.255	0.435	0.027	0.068
Mkt Cap (S\$m)	92.5	170.7	27.3	103.9	105.9	42.1	303.1	1,023.6	49.5	165.7
Commodity	Phosphate	Lithium,	Gold	Thermal	Gold	Limestone	Thermal	Thermal	Coal	Coal
		Tantalum		Coal			Coal	Coal		

- Compared against a list of SGX-listed mining companies, AsiaPhos is currently trading at the lowest premium to NAV, at 3.5%
- AsiaPhos is the only phosphate and phosphate chemical producer listed on SGX

Source Data: http://www.shareinvestor.com; Based on NAV and share prices as at 1 June 2017. NAV = "Based on latest results announcement (Full Year, Half Year or Interim), adjusted for carrying value of "Other Share Capital", illustrative financial effects of corporate actions (if applicable) and the current number of shares."



Relative Commodity Price Performance



Source: IndexMundi and World Bank (Data extracted: 27 Feb 2017)

http://www.indexmundi.com/commodities/?commodity=rock-phosphate&months=12&commodity=iron-ore

	Grou	-
Cash flow statement	First Quarter Marc	:h
	2017	2016
	\$'000	\$'000
Cash flows from operating activities :		
Profit/(Loss) before taxation	122	(91
Adjustments for :		
Depreciation expenses	607	50
Gain on disposal of property, plant and equipment		(
Amortisation expenses	83	Ž.
Interest expense	207	180
Interest income	(5)	(-
Unrealised exchange loss/(gain)	(230)	(27
Amortisation of deferred income	(30)	(2)
Operating profit/(loss) before working capital changes	754	(44
(Increase)/decrease in stocks	2,195	(1,15
(Increase)/decrease in receivables	1,510	2,62
Increase/(decrease) in payables	(1,924)	(1,79
Cash (used in)/generated from operations	2,535	(76
Interest received	5	
Interest received	(396)	(82
Tax paid	-	(19
Net cash flows (used in)/generated from operating activities	2,144	(1,78
Cash flows from investing activities :		
Payments for property, plant and equipment	(574)	(1,10
Receipt of government grant	-	5
Proceeds from disposal of property, plant and equipment	-	
Net cash flows (used in)/generated by investing activities	(574)	(1,04
Cash flows from financing activities :		
Net proceeds from Rights cum Warrants Issue	4,158	<u>=</u>
Payments of share issuance expense	(115)	(3:
Proceeds from issue of redeemable preference shares	-	4,000
Redemption of redeemable preference shares	(1,403)	(6,32
ncrease in pledged deposits	(1)	(0,02
Repayment of loan due to a director	(467)	
Proceeds from bank loan	-	2,14
Net cash flows (used in)/generated from financing activities	2,172	(21
\ \ \ \ \ \ \ \ \ \ \ \ \ \	3,742	(3,03
NET INCREASE/(DECREASE) IN CASH AND CASH ADDIVAGENCE.	0,142	
Net increase/(decrease) in cash and cash equivalents Cash and cash equivalents at beginning of period	1.012	3 000
Net increase/(decrease) in cash and cash equivalents Cash and cash equivalents at beginning of period Effects of exchange rate changes on cash and cash equivalents	1,012 (54)	3,098 (69



Cash Flow & Debt Management

- December 2016: Announced Rights cum Warrants Issue.
- March 2017: Successful completion of Rights cum Warrants Issue. Early redemption of 2016 RPS (maturity: Jan 2021).

With the completion of the redemption of the 2016 RPS, the Group is expected to benefit from lower borrowing costs in FY2017.

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Executive Summary / Overview (摘要)



Business started in 1996; Possesses the rights to explore and mine phosphate (since 2002), a valuable and non-renewable natural resource in Sichuan Province, the PRC (业务开始于1996年;拥有磷矿探矿权和采矿权 (2002年起),四川省,中国。磷矿是不可再生的自然宝贵资源。)



Adopts a vertically-integrated strategy by investing in downstream processing facilities which: (通过投资于下游加工设施,形成垂直整合的策略:)

- refine and process phosphate rocks; and (提炼和加工磷矿;和)
- produce and sell phosphate-based chemical products (生产和销售的磷酸盐产品)



Was affected by the 2008 earthquake in Wenchuan County, Sichuan Province, the PRC, and has been focused on rebuilding since (受2008年汶川地震影响,(汶川位于中国 四川省 汶川县),专注于重建)



First mineral resources company to be listed on the SGX-ST which is solely focused on exploring and mining phosphate in the PRC

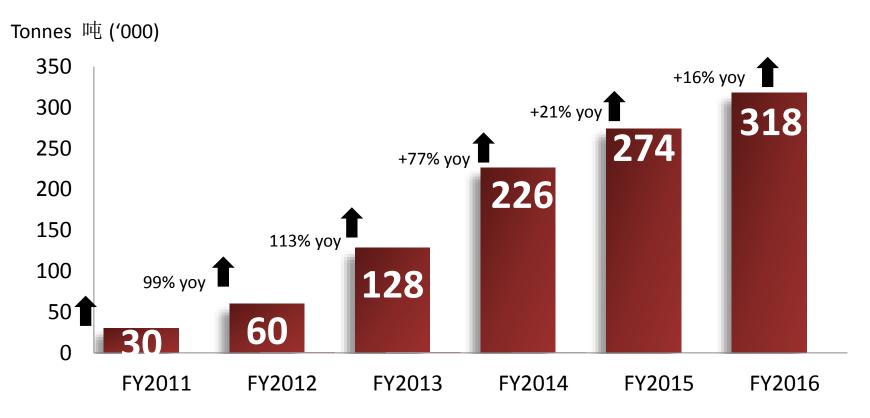
第一家矿产资源公司上市于新交所。专注于在中国境内探矿和采矿磷矿石。







Upstream Segment – Mining Output



- > Successfully renewed the mining right for Mine 1 in March 2017
- Applying to convert the exploration right for Mine 1 to a mining right, with the goal of increasing its approved annual production scale from the current 50,000 tonnes for Mine 1 to potentially 300,000-400,000 tonnes.

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Our Business









Gongxing Production Facilities

Rebuilding programme in Gongxing Industrial Zone, Sichuan Province, the PRC

 Phase1: New site of approximately 54.863 m²: land use rights obtained Designed to withstand earthquakes of up to 7.0 on Richter scale

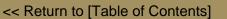




- AsiaPhos'phosphate rocks have relatively high P₂O₄ content ≃ >29% 〈亚化物矿的五氧化二物合量 ≈ >29% 〉 o Higher value and demand (较高的价格和较大的市场)
- $_{\odot}$. Phosphate rock deposits with $P_{2}O_{s}$ content of at least 30% constitute only 10 25% of the total
- phosphate rock deposits in the PRC(蒋矿五氧化二磷的含量至少30%,在中国只占有10-25% 的总结量。)
- (大部分磷矿的五氧化二磷含量位于20-25%。)
- Average grade of PRC's phosphate rock deposits is e
- We believe that our phosphate rocks have relatively low arsenic content = 8 10 ppm (我们相信。我们的跳矿石具有相对的抵码 含量 = 6 10 ppm.)





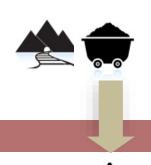




Our Vertically-Integrated Business Strategy

Upon completion of our Rebuilding Programme, our vertically-integrated business model will involve the following:

Mining Operations



Polyphosphates

Phosphate Rocks

grade)

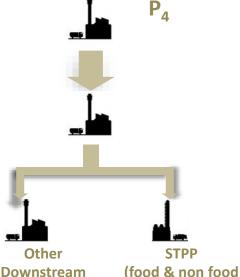
Mining

 Rights to explore and mine phosphate from our two mines located in Sichuan Province, the PRC

Chemical Production Operations

P₄ Processing

Commercial production commenced in FY2014



STPP and other Polyphosphate Manufacturing

- Completed relocation of one Polyphosphate/ STPP plant (and resumed commercial production) with designed capacity of 30,000 tonnes per year
- 'Phase 2' Land Use Rights: Received in FY2015 (50 years, to FY2065, area 134 亩 Mu, approx. 89,000 sq.m.). This enables further downstream phosphate chemicals manufacturing possibilities.



Our Chemical Production Operations & sector growth opportunities



•Our downstream chemical operations = Focus on <u>technical/industrial market</u> (rather than directly-producing Fertiliser chemicals, e.g. MAP/DAP)

Recent MOUs signed will enable the following benefits for Asiaphos:



- Faster revenue generation / inventory turnover cycle
- Access to surplus rocks for P4 production continuity & possible trading (sale & purchase) opportunities
- Potential access to <u>cheaper electricity</u>



- Exploring with strategic partners to establish complementary businesses, both horizontally and vertically
- <u>High-level overview of global phosphate market</u>:

Fertiliser market/ other agriculture	Industrial / Non-Fertilizer market
 Approx ~85-90%* of world P-rock goes to Fertiliser/Feed 	• ~10-15% of P-rock market
 Demand growth rate approx. 3-3.5% CAGR* ('food story', population growth, land scarcity, etc); may be subject to price-caps/ subsidies (potentially narrower margins) 	 Higher growth rate for some industrial markets, e.g. electric vehicles/ battery (CAGR 20%+*), flame retardants; Black-P ('new graphene'?) still in development-phase
 Requires significant scale / More complex environmental issues (e.g. phospho-gypsum); China over-capacity issues 	 Complex technical requirements / High capex / regulations & licence constraints (e.g. PCL3)

ources: << Return to [Table of Contents]



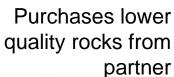
Recent MOUs signed = Benefits from Fine-tuning the Business Strategy



Third Party Strategic Partners



Faster revenue generation / inventory turnover cycle





Sells higher quality rocks to partner



Improve cash flows



Channels lower quality rocks into P₄ production





 Unlock value of inventory of high quality phosphate rocks which fetch higher prices



P₄ Production



P₄ Market

Previous approach (FY2016), i.e.

Retention of own rocks for P₄ production =

Took longer time for revenue/ cash flow generation (Mine the rocks → Produce P4 → Sell P4 → Collect payment)



Benefits from Electricity Policy Reforms in China

"Due to the current severe overcapacity, power prices can only go down as more competition is introduced" Increased Pace of Policy Reforms: Enables efficient producers to take market share from weaker ones *via* lower tariffs, *so that the entire supply chain would become more efficient* Gov't: Has encouraged more bilateral price and volume negotiation between power generators and commercial end-users (bypassing grid-operators).

Some Grid operators have been stripped of their monopolies (many privatelyowned power-gen firms allowed to enter market)









Lower wholesale electricity prices

Comments from Asiaphos persective:

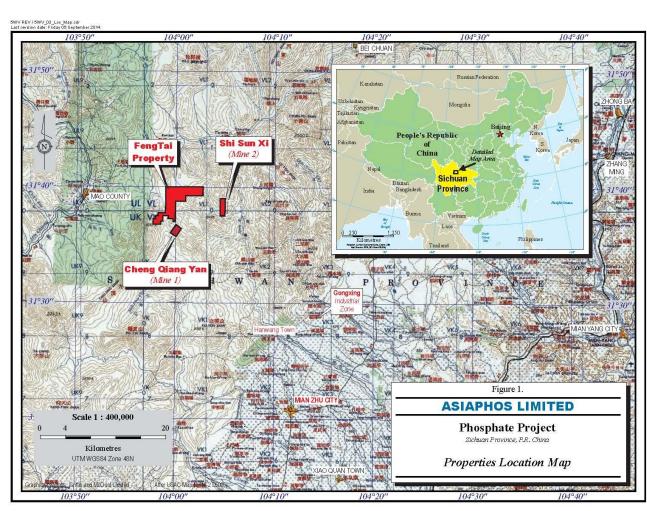
- Electricity represents a major component (>50%) of our P4 production cost.
- Any meaningful electricity pricing reform in China will directly contribute to lower P4 production costs.
- Our P4 plant is relatively newer (commenced commercial production during 2014) and designed to be more efficient than comparably older P4 plants.

Source: "China presses ahead with power pricing reform"; 12 Sept 2016, South China Morning Post: http://www.scmp.com/business/companies/article/2018410/china-presses-ahead-power-pricing-reform

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Location of Mines and Production Plants

- The Group's operations are located in the vicinity of Mianzhu City, Sichuan Province, the PRC
- The production facilities are located at Gongxing Industrial Zone, which is only 40 km from the Group's mines





Gongxing Production Facilities

- Rebuilding programme in Gongxing Industrial Zone, Sichuan Province, the PRC
 - Phase1: New site of approximately 54,863 m²; land use rights obtained
 - Designed to withstand earthquakes of up to 7.0 on Richter scale
- Phase 1 completed :
 - Two new P₄ furnaces, each with designed annual capacity of 10,000 tonnes.
 - Commercial production of P₄ commenced in May 2014
- Receipt of Land Use Rights for Phase 2 Land
 - Announced: 12 March 2015



Photos: From Mines to Factory (照片: 从矿山到工厂)



Tramway system at Mines 矿山轨道车系统

P4 factory / bulk storage 黄磷工厂, 储罐



From Mine to Factory via Truck (section of Mian Mao Highway) 从矿山去丁厂的卡车(绵茂公路



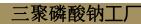
P4 factory control centre 黄磷控制室



Weighbridge:
Rock / materials handling and zoning
地磅:矿石、原料分开堆放



Polyphosphate/ STPP factory



Photos: From Mines to Factory (照片: 从矿山到工厂)



Tramway system at Mines 矿山轨道车系统

P4 factory / bulk storage 黄磷工厂, 储罐



From Mine to Factory via Truck (pre-Mian Mao Highway)



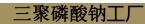
P4 factory control centre 黄磷控制室



Weighbridge: Rock / materials handling and zoning 地磅:矿石、原料分开堆放



Polyphosphate / STPP factory



Our Phosphate Mines (采矿作业)



Rail/Tramway system at Mines 矿山轨道车系统



CCTV / mine control monitoring & communications systems



Independent Geologist inspection: "WGM also observed ramps and manways that connect levels. These developments allow personnel and equipment to access all level from underground and avoid exposure to hazardous environment, such as steep slopes and falling rocks along the mountain side. *This is* considered as a major improvement since the last visit."



Tunnel construction near mines (redesigned Mian-Mao Highway)



In accordance with the local PRC regulations, we have completed the construction of 'six safety' monitoring systems within the adits "井下安全避险六大系统" for our mines. These include improved communication channels within adits, position monitoring for each miner within adits, particles/smoke monitoring system, water supply within adits, a secured shelter for miners, in the event of emergency, within the vicinity of the adits and compressed air self-rescue devices. Level 2 of the safety requirements allows the Group to obtain mining safety permit from the local authority.



WGM, Page 92/93 of QPR (9 March 2016): "Also observed at Mine 1 (CQY) are the improved ground control measures. The portal was reinforced with solid concrete structure; the fractured areas were supported with rock bolts, mesh screen, steel arches with timber filling, and shotcrete. *The quality of the ground support installation is above standard*."













Examples of our sustainability efforts (可持续发展工作的例子)

2015 Mianzhu City industrial development reward program: Our subsidiary company (Mianzhu Norwest) has received government grant/ award, for the project 'P4 flue gas integrated utilisation technology improvement'.

2015年度绵竹市工业经济发展奖励补助项目:

我司已通过奖励补助项目《黄磷尾气综合利用技术改造项目》。

Objectives of the project: To re-use flue gas to save energy resource and reduce gas emissions (CO) discharge. Flue gas is used for raw material drying, generating steam from flue gas boilers and heat source for a separate Polyphosphate plant (e.g. STPP).

Summary of guote: "From the

Profile in Sichuan newspaper: (http://dy.newssc.org/system/20121130/000839967.html)

"从原料收集、粉碎处理、烘干、进入生产车间,采用全封闭 式、

全机械化运作,每一个环节都在做环保。"

在这个化工企业,看不到粉尘、听不到噪音、流不出工业污水。

不仅经济上去了,大家的生活质量也得到保证,这样的 企业我们支持多建。"

Our P4 Plant is designed to operate in compliance with PRC environmental law, and practices water recycling and off gas collection as well as slag disposal at a nearby cement operation.

Monetary contributions are paid for timberland compensation and forest recovery fund for the occupied land, to the Deyang Forestry Bureau.

Further monetary provision is made for rehabilitation and reforestation upon closure of mine.

Various efficiency initiatives have been implemented, for example, P4 production process was reviewed to reduce electricity consumption. This has contributed to lower P4 production costs.

collection of raw materials, crushing, drying, to the P4 production in factory, there is a fully enclosed / mechanized operation, and includes industrial wastewater recycling/ treatment, the process has been designed with environmental protection in mind."

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Competitive Strength: Higher Quality Phosphate Rocks 竞争优势: 高品质磷矿

- AsiaPhos' phosphate rocks have relatively high P₂O₅ content ≈ >29% (亚化磷矿的五氧化二磷含量 ≈ >29%)
 - o Higher value and demand(较高的价格和较大的市场)
 - o Phosphate rock deposits with P₂O₅ content of at least 30% constitute only 10 25% of the total phosphate rock deposits in the PRC(磷矿五氧化二磷的含量至少30%,在中国只占有10-25%的总储量。)
 - o Most phosphate mines in the PRC are mining phosphate rocks with P_2O_5 content of 20 25% (大部分磷矿的五氧化二磷含量 位于20-25%。)
 - o Average grade of PRC's phosphate rock deposits is estimated to have P_2O_5 content of below 20%(中国平均磷矿的五氧化二磷含量小于20%。)
- We believe that our phosphate rocks have relatively low arsenic content ≈ 8 -10 ppm

 (我们相信,我们的磷矿石具有相对的低砷含量 ≈8~10ppm。)





Financial Highlights 财务报告要点



Change in business strategy drove topline improvement in 1Q2017

1Q2017 revenue increased 512% y-o-y due to:

More higher quality rocks instead of being used for P₄ production
 Rocks for P₄ production secured from third party supplier

 The Group expects to resume full operating capacity for the downstream segment in 2Q2017, following production disruptions in FY2016



Income Statem		3	页益る	又要 5	7		
55'000	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
Revenue 销售收入	2,775	4,522	4,897	8,458	23,822	44,505	34,345
Gross profit	402	2,374	2,101	2,550	4,684	8,487	5,255
Profit/(loss) before tax 税前利润	(1,206)	2,933	1,509	(2,249)	19,484	3,027	(1,931)
Profit/(loss) after tax	(1,178)	2,933	1,225	(3,667)	19,498	2,209	(1,734)
		学摄)含:			20,203		
Profit/floss) after tax above includes: - Fair value gains on financial instrumer relating to IVR acquisition 收到IVR的企設工工公允价值收益 - Fair value gains on reassessment of purchase consider ation of IVR		学摄}含:			20,203		
		号摄}含:			20,203	4,850	
			3,471	-	20,203	4,850	dan-si
			3,471 1,780	2,478	20,203	4,850 (2,429)	



** This development on temporals (**PALE** \$4.500 EE) ** Office on CODING that place to the development of the other bornes out the other bornes of the other bornes o

Balance Sheet (Summary) 资产负债表(明细)

137.8

139.2

\$\$m(百万,新加坡元)

Non-Current Assets (非流动资产) Total Assets (总资产)

LIABILITIES (负债)
Current Liabilities (流动负债)
Non-Current Liabilities(非流动负债)
Total Liabilities (总负债)

全額(新元)	102015	202015			FY2015						FY2014
Amounts shown are in Singapore Dollars	\$1000	5'000	102915	4Q2915	\$1000		902896 \$1000	\$1000	302996	402016	1000
Rovetuo ttA	6,278	12,008	5,300	16,839	44,505		1,982	9,006	5,240	13,517	34,345
Dorrates Total	2792 2400	5,540	1798	5,897	17,957 29,548	41.0	1,788	3,672 6.004	1,292	1,275	99,787 23,556
Gross profit 1581	1,576	2,009	1,712	3,190	8,487		893	1,895	128	1,583	5,255
Profit/Joss) before tax											
WHITH CE	(29)	618	(2,292)	4,760	3,027		(916)	367	(552)	(825)	(1,901
Sales quartity (total)	MRAND CR	2									
Phosphate rooks & &	47,000	89,100	23,890		248,555		25,848	57,617	23,009	77.910	184,384
P4 965	780	1,900	2,843	4.555	10,075			2.331	3.666	3.843	9,838
Note: Financ management) Februa	ry 2017	public ar	noui	ncement	, and an	e based	on unauc	lited



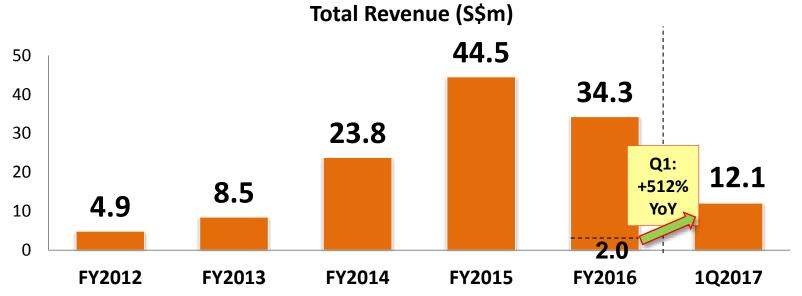








Revenue Performance – 1Q2017



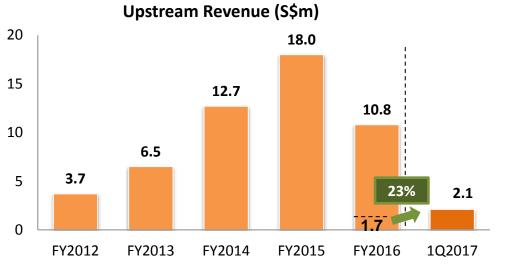
Change in business strategy drove topline improvement in 1Q2017

- 1Q2017 revenue increased 512% y-o-y due to:
 - ➤ More higher quality rocks instead of being used for P₄ production
 - ➤ Rocks for P₄ production secured from third party supplier
- The Group expects to resume full operating capacity for the downstream segment in 2Q2017, following production disruptions in FY2016

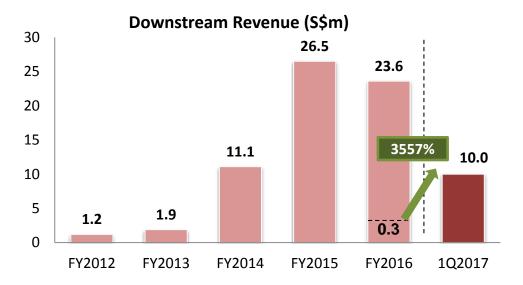
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Revenue Performance (Upstream/ Downstream)



Unlocking value of high quality phosphate rock inventory



Third party supply of rocks sustained P₄ production

20,203

4,850

(2,429)

Income Statement

损益表要点

S\$'000	FY2010	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016
Revenue 销售收入	2,775	4,522	4,897	8,458	23,822	44,505	34,345
Gross profit 毛利	402	2,374	2,101	2,550	4,684	8,487	5,255
Profit/(loss) before tax 税前禾	J润 (1,206)	2,933	1,509	(2,249)	19,484	3,027	(1,931)
Profit/(loss) after tax 税后和	川润 (1,178)	2,933	1,225	(3,667)	19,498	2,209	(1,734)

Profit/(loss) after tax above includes: 税后利润/(亏损)含:

- Fair value gains on financial instruments relating to LYR acquisition 收购LYR的金融工具公允价值收益

收购LYK的金融工具公兀衍值收益

 Fair value gains on reassessment of purchase consideration of LYR 重新评估LYR收购价格的公允价值收益

- Termination of pre-existing contract 终止预先存在的合同

- relocation gain: 搬迁增益

1,874 3,471

- one-time listing expenses: 一次性上市费用 - 1,780 2,478

Note: Refer to audited Annual Reports / Asiaphos investor relations website for further details: http://asiaphos.com/financial-results.php

注:参见审计年报/亚化投资者联系网站了解更多详情: http://asiaphos.com/financial-results.php



Report

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Income Statement Highlights (FY2016)

损益表要点	Fourth Quarter 2016	2015	Change	Financial Year E	2015	Change
金额(新元)	\$'000	\$'000	%	\$'000	\$'000	%
Revenue 销售收入	13,517	16,839	(20)	34,345	44,505	(23)
Cost of sales 主营业务成本	(11,933)	(13,649)	(13)	(29,090)	(36,018)	(19)
Gross profit 毛利	1,584	3,190	(50)	5,255	8,487	(38)
Other income	68	4,863	(99)	337	6,378	(95)
Profit/(loss) before tax 税前利润	(829)	4,760		(1,931)	3,027	
Taxation 所得税	197	(451)	N.M.	197	(818)	N.M.
Profit/(loss) for the period attributable to owners of the Company 税后利润	(632)	4,309		(1,734)	2,209	

Note: Refer to audited Annual Reports / Asiaphos investor relations website for further details: http://asiaphos.com/financial-results.php
注: 参阅审计年报/亚化投资者联系网站了解更多详情: http://asiaphos.com/financial-results.php

"N.M" denotes not meaningful. ("N.M" 表示无可比性)

公平价值收益。

Other income decreased by \$4.8 million, from \$4.9 million in 4Q2015 to \$0.1 million in 4Q2016, mainly due to the absence of fair value gains of \$4.8 million which arose from the reassessment of purchase consideration of LY Resources Pte. Ltd. ("LYR"), leading to fair value gains from convertible loan note and derivative asset. There were no such fair value gains in 4Q2016.

其他收入减少了480万新元,从2015年第四季度的490万新元降至2016年第四季度的10万新元,主要是由于重新评估收购LY资源公司("LYR")的可转换债券票据和衍生资产的公允价值变动而导致的公允价值收益480万新元不再重复发生。 2016年第四季度没有这样的

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Income Statement Highlights (1Q2017)

损益表要点 ^{金额 (新元)}	First Quarter 2017 \$'000	Froup Ended 31 M 2016 \$'000	March Change %
Revenue 销售收入	12,122	1,982	512
Cost of sales 主营业务成本	(10,450)	(1,489)	602
Gross profit 毛利	1,672	493	239
Profit/(loss) before tax 税前利润	122	(915)	
Taxation 所得税		-	N.M.
Profit/(loss) for the period attributable to owners of the Company 税后利润	122	(915)	

Note: Refer to Asiaphos investor relations website for further

details: http://asiaphos.com/financial-results.php

- 1Q2017 financials are per the 26 April 2017 public announcement.
- "N.M" denotes not meaningful.

- Revenue from the Upstream Segment increased by \$0.4 million, from \$1.7 million in 1Q2016 to \$2.1 million in 1Q2017 due to increase in both the quantity and average selling price of the phosphate rocks sold in 1Q2017. In 1Q2017, the Group sold 34,700 tonnes of phosphate rocks as compared to 25,800 tonnes in 1Q2016. The inventory of phosphate rocks carried over from the 2016 mining season as well as the commencement of the 2017 mining season enabled the Group to have more phosphate rocks available for sale in 1Q2017. As the Group managed to secure a consistent supply of quality phosphate rocks from an external phosphate rock supplier, it no longer needs to reserve its high quality phosphate rocks for its P4 production. This enabled the Group to have more high quality phosphate rocks available for sale. Such quality phosphate rocks also generally fetch higher average selling prices.
- Revenue from the Downstream Segment increased by \$9.7 million, from \$0.3 million in 1Q2016 to \$10.0 million in 1Q2017, due to the increase in revenue from sale of P4. In 1Q2017, the Group sold 3,700 tonnes of P4. Due to the availability of phosphate rocks for production of P4 and continued demand from the customers, the Group was able to continue with the production of P4 on a limited scale for sale in 1Q2017 as compared to 1Q2016 when the Group did not have any P4 inventory for sale. In the past, the Group typically ceased P4 production in the December and only resumed production in late April.
- The Group had decided to continue with the production of P4 on a limited scale during 1Q2017 so as to, *inter alia*, clear the backlog of orders to its customers whose delivery were affected by the industrial accident at the Group's P4 production plant in October 2016, build up sufficient inventory to meet its customers' requirements and to also take advantage of the rising average selling prices of P4.
- Please refer to the 1Q2017 results announcement, for a more detailed commentary on the business performance, trends and market conditions.

Extract from 1Q2017 Results Announcement (Chapter 10 commentary)

A commentary at the date of the announcement of the significant trends and competitive conditions of the industry in which the group operates and any known factors or events that may affect the group in the next reporting period and the next 12 months.

Upstream Segment

As disclosed in the Group's announcement dated 3 March 2017, the Group has received the approval for the renewal of its mining license for Mine 1, which is now valid until 28 February 2018.

The Group plans to increase its rock output in the financial year ending 31 December 2017 ("FY2017"). Following its move to secure a consistent supply of quality rocks from an external supplier for its in-house production of P4, the Group intends to unlock the value of its rock inventory by selling more of its higher quality rocks to third parties, which were previously reserved for its in-house P4 production. Barring unforeseen circumstances, this is expected to contribute positively to the Group's results and cash flows in FY2017.

The Group expects phosphate rock prices to remain stable for the rest of the year.

Downstream Segment

In 1Q2017, the Group continued with the production of P4 on a limited scale. The Group has since resumed full production of P4.

Average selling prices for P4 sold in April were higher than that in 1Q2017. This was because of continued high demand for P4 , due in part to (i) the recovery in the pesticide market and (ii) tight supply of P4 because several P4 producers in other provinces in the PRC were undergoing environmental and safety inspections and were unable to produce during the inspection period.

Management expects the pace of P4 price increase to moderate when more P4 supply enters the market in the second half of 2017. The Group will continue to build up the P4 business and monitor production efficiencies to improve the Group's bottomline.

Debt Management

The successful completion of the Rights cum Warrants Issue has (i) provided additional working capital which the Group can utilise to increase output and further improve its bottomline; and (ii) reduce the gearing of the Group. This will translate to lower interest on the Group's borrowings. The early redemption of the RPS will also result in interest savings of approximately \$0.3 million in FY2017. This also means that the Group need not be overly reliant on bank financing, thereby overcoming one of the key financial constraints holding back growth.

Going forward

In line with the Group's strategy to grow in a sustainable and responsible manner, the Group has invested carefully to build up and grow the business. It has been successful in growing its mines' rock output, increasing its P4 output, and building up its customer base.

The <u>change in strategy</u>, to realise the value of its inventory of higher <u>quality</u> <u>phosphate rocks by selling to third parties</u>, is expected to improve cash flow and increase the contribution from the Upstream Segment, thereby strengthening another pillar of income stream for the Group.

The Group will examine ways to further improve efficiency and profitability. To further enhance the future value of the Group, the management is exploring with strategic partners to establish complementary businesses, both horizontally and vertically, in view of the <u>potential market demand and applications for black</u> phosphorus and lithium iron phosphate (LiFePO4) battery.





Income Statement Trend (By Quarter) 损益表分析 (按季度)

金额 (新元)

Amounts shown are in Singapore Dollars	1Q2015 \$'000	2Q2015 \$'000	3Q2015	4Q2015	FY2015 \$'000		1Q2016 \$'000	2Q2016 \$'000	3Q2016	4Q2016	FY2016 \$'000		1Q2017 \$'000	ı
Revenue 收入	6,278	12,008	9,380	16,839	44,505	400/	1,982	9,606	9,240	13,517	34,345	240/	12,122	470/
Upstream 上游产品 Downstream 下游产品	3,782 2,496	6,548 5,460	1,790 7,590	5,837 11,002	17,957 26,548	40% 60%	1,708 274	3,572 6,034	1,232 8,009	4,275 9,242		31% 69%	2,101 10,021	17% 83%
Gross profit 毛利	1,576	2,009	1,712	3,190	8,487	i	493	1,895	1,284	1,583	5,255		1,672	
Profit/(loss) before tax 税前利润/(亏损)	(59)	618	(2,292)	4,760	3,027		(916)	367	(552)	(829)	(1,931)		122	
						-								
Sales quantity (tons)		Ē)												
Phosphate rocks 矿石	47,000	89,100	23,890	88,566	248,556	_	25,848	57,617	23,009	77,910	184,384		34,706	
P4 黄磷	780	1,900	2,840	4,555	10,075		-	2,330	3,665	3,843	9,838		3,715	

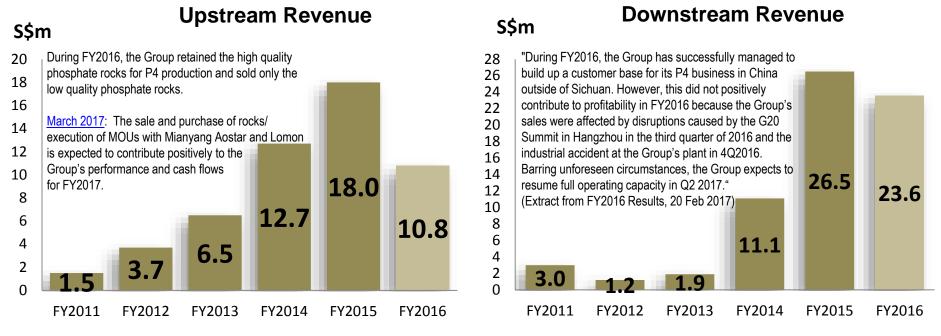
Note: Refer to Asiaphos investor relations website for further details: http://asiaphos.com/financial-results.php

[&]quot;N.M" denotes not meaningful.





Revenue Trend (by Segment)



- Revenue model: Balanced mix of upstream and downstream activities
- Upstream: The Group expects phosphate rock prices to remain stable. The Group intends to increase its rock production and this is expected to contribute positively to the Group's cash flows and profits.
- Downstream: Management will continue to explore the export market for P4 and other downstream phosphate chemical products.

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Balance Sheet (Summary) 资产负债表(明细)

S\$m (百万 , 新加坡元)	As at 31 March 2017	As at 31 Dec 2016	As at 31 Dec 2015
	(Unaudited,未审计)	(Audited,已审计)	(Audited, 已审计)
ASSETS (资产)			Updated (refer Note)
Current Assets (流动资产)	15.2	16.2	13.0
Non-Current Assets (非流动资产)	120.0	121.6	123.8
Total Assets (总资产)	135.2	137.8	136.8
LIABILITIES (负债)			
Current Liabilities (流动负债)	16.6	21.1	20.6
Non-Current Liabilities(非流动负债)	19.8	25.6	20.5
Total Liabilities (总负债)	36.4	46.7	41.1
EQUITY (股东权益)			
Share Capital (注册资本)	77.0	68.2	68.2
Reserves (公积)	12.3	13.5	18.1
Non-controlling interest (少数股东权益)	9.5	9.5	9.5
Total Equity (所有者权益合计)	98.8	91.1	95.7

Refer to Asiaphos investor relations website for further details: http://asiaphos.com/financial-results.php

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Recent Developments (最近发展)



- → Further Reading:
- . **Electricity**: "China presses ahead with power pricing reform"; South China Morning Post, 12 Sept 2016: http://www.scmp.com/business/companies/article/2018410/china-presses-ahead-power-pricing-reform
- . **Resource Tax Reform**: Changes in government surcharges and levy on mineral resources (Sichuan Government announcement: 《四川省人民政府关于全面实施资源税改革的通知》, 15 July 2016) http://www.sc.gov.cn/10462/10464/13298/13301/2016/7/15/10388282.shtml ; http://www.sc.gov.cn/xxgk/NewT.aspx?i=20160713142428-255279-00-000



ASIAPHOS STORY

Corporate History and Recent Developments





Mianzhu Norwest became a wholly foreign-owned enterprise after the acquisition of equity interests from the PRC partner.

Mining commenced at the Shi Sun Xi mine

Received exploration rights for additional mining depths and areas around existing mines.

Due to the 2008 Wenchuan Earthquake in Sichuan Province, production facilities and infrastructure surrounding the mines were damaged, and lives were lost.



One of the first few producers of heavy-density STPP, which commands higher commercial value than powder low-density STPP.

6 to 1997 1998 to 1999 2001 to 2002 2003 to 2008 2009 to 20

Established Mianzhu Norwest, a Sino-foreign joint venture to process and produce phosphate-based chemical products.

Obtained ISO 9001



Mianzhu Norwest attained ISO 14001 environmental management system certification, one of the few phosphate-based chemical producers in the PRC to be accredited.

In 2002, as part of a verticallyintegrated strategy, Mianzhu Norwest acquired mining rights for two phosphate mines in Sichuan Province.

Mining commenced at the Cheng Giang Yan mine. Undertook recovery efforts with support from the local PRC authorities, suppliers and customers.

Obtained land use rights for the new Gongxing site, Phase 1 land, to relocate, rebuild and expand downstream processing facilities.





Incorporated AsiaPhos.

Completed construction of P_e plant and relocation of STPP plant to the new Gongxing site.

production of P,.

Successfully listed on the Catalist Board of the



Received approval for the expansion of exploration right for Cheng Grang Yan mine to 154km².

Cibtained renewal of mining and exploration right for Cheng Grang Yan mine, as well as the exploration right for ShiSun Xi mine.

of LY Resources Group.

Obtained land use rights

for Phase 2 land to rebuild



Obtained renewal of exploration right for Feng Tai mine for an exploration area of approximately 12.43 km²

Signed MOU with major customer Mianyang Aostar Phosphorus Chemical Industry Co., Ltd.

Recent developments:

- Nov 2016: MOU with QiMingXing / Mianyang Aostar
- March 2017: Renewal of mining right for Mine #1 (CQY)
- March 2017: Successful rights-cumwarrants issue: Positions the company for continued growth momentum.
- March 2017: Signed MOU/agreement with QiMingXing/ Mianyang Aostar and Lomon Chemicals, for sale & purchase of phosphate rocks
- Ongoing: Application for conversion of Mine #1 (CQY) exploration right, into a mining right; This would increase CQY's approved production scale to potentially 300-400,000 tonnes/year
- Exploring with strategic partners to establish complementary businesses, both horizontally and vertically

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绵阳启明星磷化工有限公司

Mianyang Aostar Phosphorus Chemical Industry Co., Ltd.

ENTRY INTO MEMORANDUM OF UNDERSTANDING WITH MIANYANG AOSTAR PHOSPHORUS CHEMICAL INDUSTRY CO., LTD.

The board of directors (the "Board") of AsiaPhos Limited (the "Company", and together with its subsidiaries, the "Group") is pleased to announce that Sichuan Mianzhu Norwest Phosphate Chemical Limited ("Mianzhu Norwest"), a wholly-owned subsidiary of the Company, has on 3 November 2016, entered into a non-binding memorandum of understanding with Mianyang Aostar Phosphorus Chemical Industry Co., Ltd. (路岭的起源代江南设元河("Mianyang Aostar") to collaborate on certain initiatives in relation to the Group's operations (the "MOU").

Mianyang Aostar is one of the biggest manufacturers in the People's Republic of China ("PRC") of yellow phosphorus, phosphoric acid and related phosphate products based in Mianyang City, Sichuan Province, and is a purchaser of phosphate rocks from the Group.

Under the terms of the MOU, Mianyang Aostar and Mianzhu Norwest intend to cooperate on, inter alia, the following areas:

- (i) Enhancing communication of information in relation to the market for P_{*} in the PRC between Mianyang Aostar and Mianzhu Norwest, with the aim of establishing reasonable pricing and the prevention of unfair competition;
- (ii) (a) Mianzhu Norwest will, subject to the Group's internal requirements, prioritise the fulfilment of purchase orders placed by Mianyang Aostar (if any) for phosphate rocks from the Group. Under the MOU, Mianyang Aostar has indicated that it may purchase approximately 20,000 tonnes of phosphate rocks and up to 100,000 tonnes of phosphate rocks from the Group in the remaining months of 2016 and in 2017 respectively, and (ib) Mianzhu Norwest and Mianyang Aostar will seek to purchase phosphate-based chemical products from each other to satisfy orders received from third parties which are in excess of their respective available inventory or capacity (where applicable); and
- (iii) Explore the purchase of electricity by Mianzhu Norwest at preferential rates, by leveraging on Mianyang Aostar's existing electricity arrangements.

Shareholders should note that the MOU is non-binding in nature and may or may not lead to the entry into of definitive agreement(s) with Mianyang Aostar by the Group in relation to the initiatives contemplated under the MOU.

The signing of the MOU is not expected to have any material impact on the net tangible assets per share and earnings per share of the Group for the current financial year ending 31 December 2016.

None of the directors or the controlling shareholders of the Company has any direct or indirect interest in this MOU, save through their shareholding interests in the Company.

The Company will make further announcements as and when there are material developments with regard to the initiatives contemplated under the MOU.

BY ORDER OF THE BOARD

Simon Ong Eng Hock Executive Director AsiaPhos Limited 4 November 2016

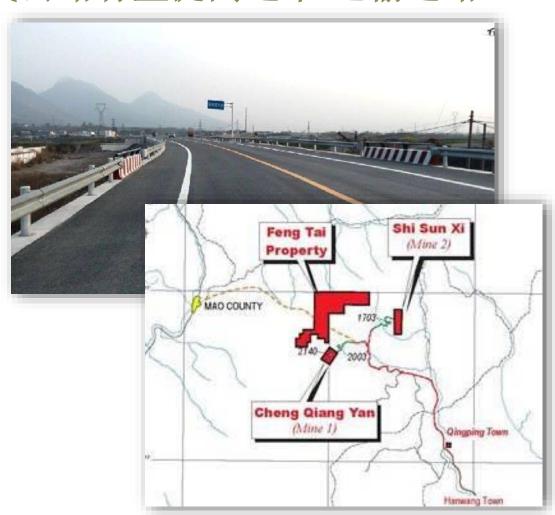
The initiatives under the MOU include

- (i) promoting the development of the market for P4 in the PRC;
- (ii) the supply of phosphate rocks by our subsidiary company (Mianzhu Norwest) to Mianyang Aostar;
- (iii) the purchase of phosphate-based chemical products from each party to satisfy third party orders; and
- (iv) the purchase of electricity by Mianzhu Norwest by leveraging on Mianyang Aostar's existing electricity arrangements.
- Mianyang Aostar is one of the biggest manufacturers in the PRC of yellow phosphorus, phosphoric acid and related phosphate products and purchases phosphate rocks from our company.
- The MOU formally seals the close and longstanding relationship between the Group and Mianyang Aostar, which is one of the Group's key customers. The considerable synergies will offer many partnership opportunities, which the Group believes can help to achieve better market positioning, competitive advantages and cost savings, amongst other benefits.

Link:

Mian Mao Highway expected to improve access / haulage road 绵茂公路有望提高通车/运输道路

- Phased construction of the Mian Mao Highway (part of Hong Kong/Sichuan post-earthquake reconstruction cooperation programme) 绵茂公路分段建设(香港和/四川,地震灾后重建合作项目的一部分)
- Completion of Mian Mao Highway will increase accessibility between mines and production facilities 绵茂公路建成后,将增加矿山和生产设施之间的贯通
- Increased reliability and shortened time required for transportation of phosphate rocks upon completion of Mian Mao Highway 绵茂公路建成后所需磷矿石运输提高可靠性、有效性,缩短运输时间



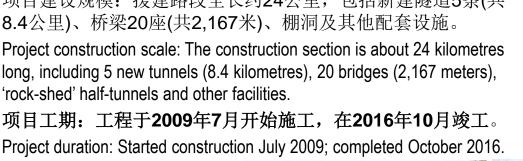
Mian Mao Highway (Hanwang to Qingping section)

绵茂公路 (汉旺至清平段): 项目建设规模、资金及工期

项目建设规模:援建路段全长约24公里,包括新建隧道5条(共 8.4公里)、桥梁20座(共2,167米)、棚洞及其他配套设施。

Project construction scale: The construction section is about 24 kilometres long, including 5 new tunnels (8.4 kilometres), 20 bridges (2,167 meters), 'rock-shed' half-tunnels and other facilities.

项目工期:工程于2009年7月开始施工,在2016年10月竣工。







清平场镇大桥 (Qingping Town Bridge)



主线清平乡路段 (Highway, Qingping section)



蔡家沟大桥 (Caijiagou Bridge)



楠木沟大桥及金鱼隧道向清平出口 (NanMuGou bridge/ JinYu tunnel / Qingping exit)



主线及天池连接线路段 (Highway, Tianchi section)



云湖二号隧道 (Yunhu No.2 Tunnel)

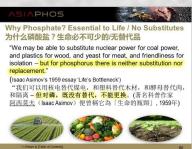


蔡家沟大桥及云湖二号隧道 (Caijiagou Bridge and Yunhu No.2 Tunnel)

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"About Phosphate": Links to further info (+Source) on Global Fertiliser Market / Phosphate Reserves & Production:

- . Why Phosphate / Food Security (Phosphorus Platform): https://www.youtube.com/watch?v=YXpnr9nnmn4
- . Industry Chain / Uses: http://www.cnchemicals.com/special/PhosphorusIntelligence.aspx; http://phosphatesfacts.org/uses-applications/
- . Phosphorus and Phosphorus Chemicals | IHS Markit: https://www.ihs.com/products/phosphorus-chemical-economics-handbook.html

"Why Phosphate": Expected Demand Growth (Agriculture / Electric Vehicles / Battery Market, etc)

- . Bloomberg: Electric Cars Could Wreak Havoc on Oil Markets Within a Decade (February 2016, 'Sooner Than You Think' video series): https://www.youtube.com/watch?v=jwHN6QQWv2g&feature=youtu.be&t=45
- . Europa.EU / JPMorgan: Future of the Electric Car & Lithium Ion Battery Market: Detailed assessment of the market potential, and demand for, an EU ETV scheme (June 2011): https://ec.europa.eu/environment/ecoap/sites/ecoap_stayconnected/files/etv-files/files/documents/EPEC_study/etv_final_report_market_annex1.pdf
- . European Sustainable Phosphorus Platform newsletter (August 2015): http://www.phosphorusplatform.eu/images/scope/scopenewsletter115.pdf
- . "Why Lithium Iron Phosphate Applications are Limitless" (Sept 2015): http://www.relionbattery.com/blog/why-lithium-iron-phosphate-battery-applications-are-limitless
- . "Is Black Phosphorus the New Graphene?", IEEE (Sept 2015): http://spectrum.ieee.org/semiconductors/materials/is-black-phosphorus-the-new-graphene
- . "Black phosphorus is new 'wonder material' " | Business Standard (March 2015): http://www.business-standard.com/article/news-ians/black-phosphorus-is-new-wonder-material-115030300472 1.html
- . "Lithium Iron Phosphate Battery Market Growing at 20.5% CAGR to 2020" (Sept 2016): http://www.prnewswire.com/news-releases/lithium-iron-phosphate-battery-market-growing-at-205-cagr-to-2020-592851781.html

Why Phosphate? Essential to Life / No Substitutes 为什么磷酸盐?生命必不可少的/无替代品

"We may be able to substitute nuclear power for coal power, and plastics for wood, and yeast for meat, and friendliness for isolation – but for phosphorus there is neither substitution nor replacement."

(Isaac Asimov's 1959 essay 'Life's Bottleneck')

"我们可以用核电替代煤电,和塑料替代木材,和酵母替代肉,和隔离—但对磷,既没有替代,不能更换。(著名科普作家<u>阿西莫夫</u>(Isaac Asimov)便曾稱它為「生命的瓶頸」,1959年)







Uses of Phosphate and Related Chemicals









Fertilisers

Oral hygiene products

Beverages

Metal treatment / paint











Fire retardants Pharmacy products

LCD / Semi-conductor

Electric car battery

STPP is used in, or in the manufacturing process for:







Detergents

Home building

SHMP is used in, or in the manufacturing process for:









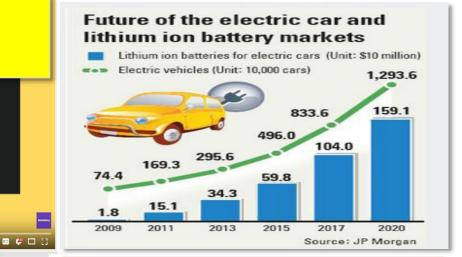
Why Phosphate?



Potential demand growth (Electric Vehicles/Battery market)







Why Lithium Iron Phosphate Battery Applications Are Limitless

For many years now, lithium batteries have been the most trusted high-performance batteries in various industries. Used in smartphones, watches, computers and tablets, lithium iron phosphate (LifePO4) batteries provide benefits that make them a smart choice for everyday

Energy Density And Flexibility

Lithium iron phosphate batteries offer the best ba phosphate batteries can be made into battery packs of any size.

Consequently, LifePO4 batteries are being used in license plate monitoring devices, depth finders, paddle boards and playground equipment.

The opportunities for lithium iron phosphate batteries are limitless. No matter what your application, there is a lithium battery solution for your energy needs. If you require a highperformance battery for your energy storage, LifePO4 is the answer.

Phosphorus is found in a new, reliable cathode material (LiFePO4) slated to be used in electric vehicles and smart power grids, as well as in the electrolyte (LiPF6), thus highlighting phosphorus to be a fascinating link between energy and the core subject of the conference. Further aiding in the spread of these batteries is the fact that the price of a lithium ion battery is nearing that of older technologies.

Fabrice Renard of Prayon elaborated on the merits of LiFePO4 and its merits as cathode material in large Li on batteries in a parallel session. (Symphos, 2015 (ESPP, 2015-08)

Source information / Further reading:

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Europa.EU / JPMorgan: Future of the Electric Car & Lithium Ion Battery Market: Detailed assessment of the market potential, and demand for, an EU ETV scheme (June 2011): https://ec.europa.eu/environment/ecoap/sites/ecoap stayconnected/files/etv-files/etv-files/etv European Sustainable Phosphorus Platform newsletter (August 2015): http://www.phosphorusplatform.eu/images/scope/scopenewsletter115.pdf

"Why Lithium Iron Phosphate Applications are Limitless" (Sept 2015): http://www.re

"Is Black Phosphorus the New Graphene?", IEEE (Sept 2015): http://spectrum.ieee.org/semiconductors/materials/is-black-phosphorus-the-new-graphene



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