

## Investor Presentation

November 2016

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- Shares on issue: 299.8 million
- Market Capitalisation: \$3.6 million at 1.2cts
- Top 20 Shareholders: 54%
- Management & Board: 15%\*
- Cash at 30 September 2016: \$0.4 million
- 50% interest in Science Developments Pty Ltd (SciDev)
- Option to acquire the remaining 50% of SciDev – expiry 28/2/17
- Other: Intec Process licensing agreement with Intec International Projects – 5% royalty on revenue  
Ownership of Zeehan Slag dump, approximately 430,000 tonnes @ 14% zinc  
2.5% net smelter royalty over certain tenements in Hellyer region, Tasmania

\* Including SciDev management



- SciDev established in 2001 to commercialise technologies developed in the area of wastewater treatment chemicals.
- Specific focus is the manufacture of cationic coagulants and the supply of specialty flocculants.
- Product range sold under 4 (registered) brands with DairyFlox® and MaxiFlox® being established brands while OptiFlox® and BioFlox® being recent product introductions.



## The investment story

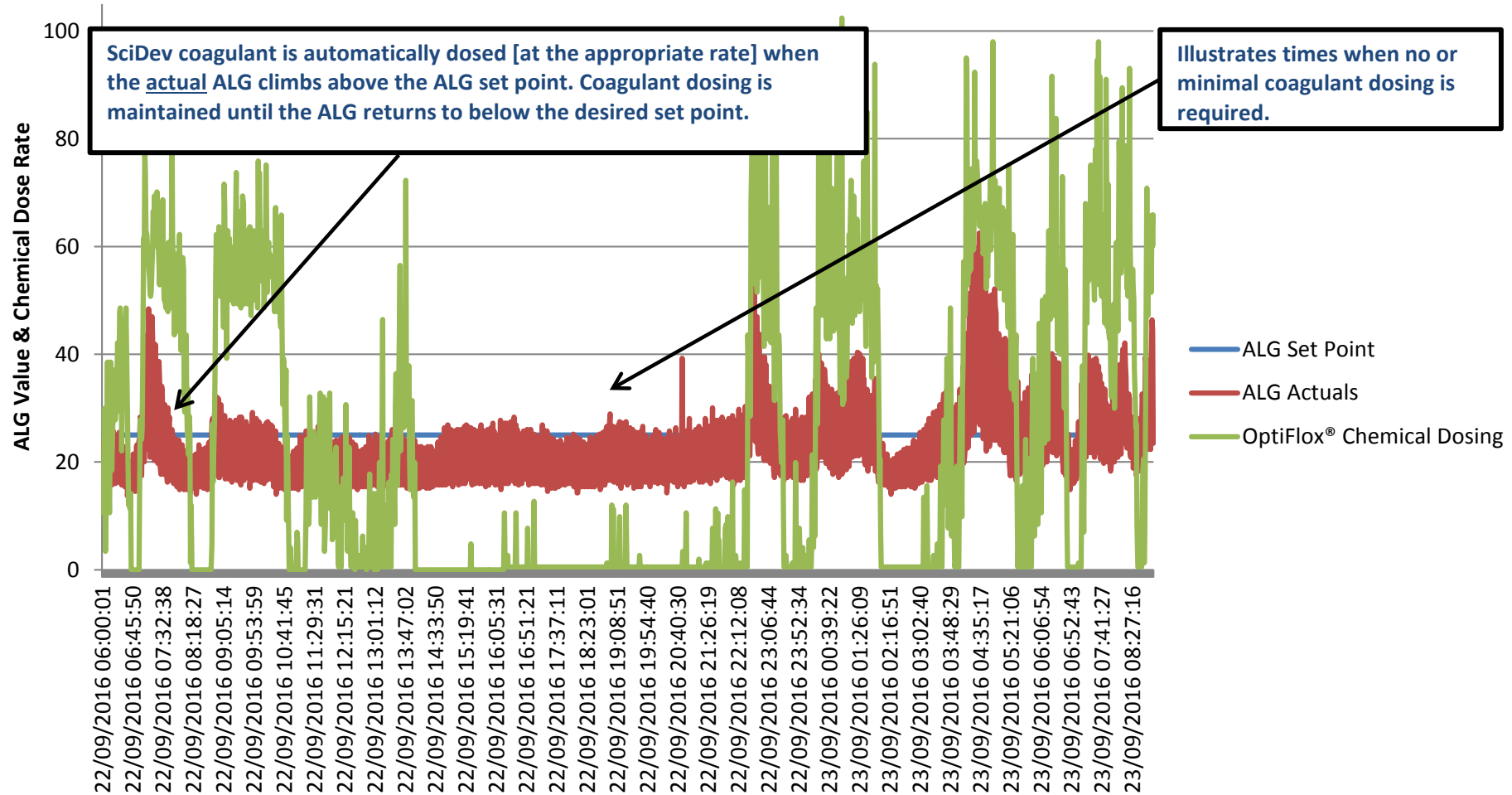
- SciDev is a profitable business serving an existing customer base in the dairy, food, quarrying, gold, coal seam gas and waste treatment industries.
- Near term revenue & profit growth will come from the rollout of OptiFlox® Systems (*patent pending*) in the Australian coal industry:
  - First OptiFlox® System successfully completed 6-month trial at Wilpinjong mine (owned by Peabody Energy, the world's largest non-government coal mining company).
  - Enhanced system to be permanently installed at Wilpinjong in early December and two year contract covering on-going supply of system and chemicals being finalised.
  - Currently undertaking testwork at three other Peabody Energy sites and two other sites operated by major coal industry participants.
  - Objective is installation of further three systems in first half of 2017 and 5-6 for full year
  - Revenue per site estimated at \$200,000 to \$450,000 (chemical sales and licence fees) dependent upon plant throughput.
  - Exclusive OptiFlox® System manufacturing/customer arrangement agreed with Burkert Fluid Control Systems (German multinational).



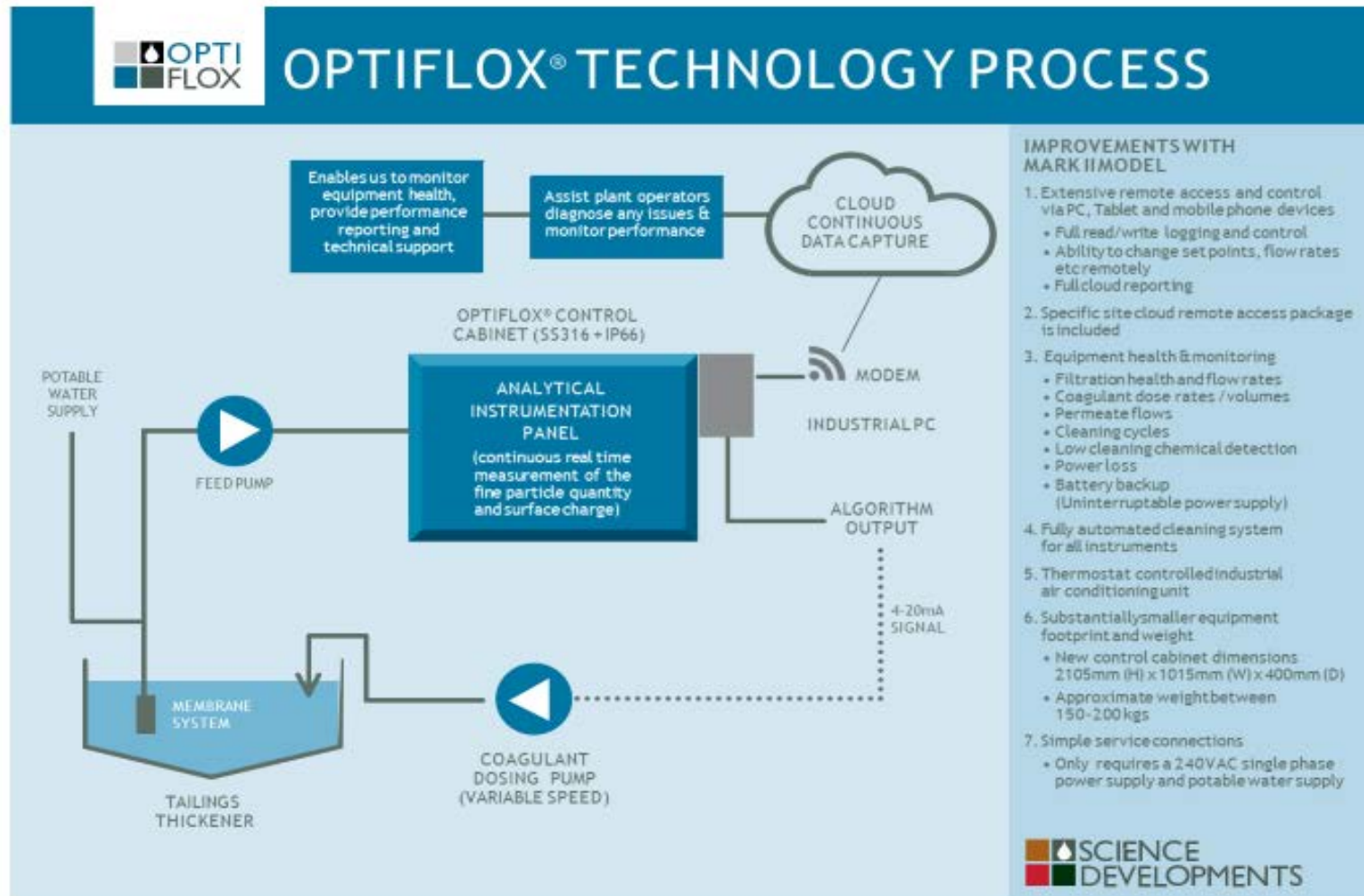
## OptiFlox® System

- What is it: An on-line, real-time, cloud based, automated chemical dosing system for the control of water clarity in thickeners, filters etc.
- What it does: Constantly measures in real-time five characteristics of the slurry feed in order to generate output from a SciDev developed algorithm (ALG). If the ALG output breaches a pre-determined set point, chemical dosing commences to lower the ALG below the set point thus maintaining required water clarity for re-use.
- Why have we developed it: In order to provide productivity benefits to the coal industry; for example, the value of lost revenue due to productivity losses from inadequate wastewater clarification in coal preparation plants is estimated to range from \$1.6M to almost \$10M per annum depending on plant throughput and coal prices.
- Control of water clarity is also an acknowledged problem in:
- sewage plants;
  - dairy processing plants; and
  - certain types of quarries etc.

## OptiFlox® System - Wilpinjong Site Data 22 & 23 September 2016



- OptiFlox® Mark-2 System designed based on results of Wilpinjong six-month trial
- smaller foot print and enhanced operating and reporting capabilities
  - first system being manufactured; completion mid-November and installed Wilpinjong early December





## Strategy for Revenue & Profit growth

### Near term growth opportunity

- Rollout of OptiFlox® System in Australian Coal Industry

Market Size: 68 coal washing plants in Australia

Target market penetration: 20 installed OptiFlox® Systems over next 3 years

Revenue opportunity: \$200,000 to \$450,000 per site dependent on plant throughput

### Medium term growth opportunity

- International licensing arrangements; coal related – USA, South Africa & Canada
- Expansion into other industries: sewage, dairy etc.

## Market Opportunity in Coal Washing Plants \*

Country	<5 mtpa	5-10 mtpa	10-15 mtpa	>15 mtpa	Total
Australia	30	26	11	1	68
Canada	10	4	-	-	14
China	1,390	500	100	10	2,000+
Poland	16	19	4	-	39
India	53	5	2		60
Russia	-	-	-	-	56
South Africa	30	30	-	-	60
Turkey	40	10	-	-	50
USA	144	75	30	20	269

*\* Source: 2016 International Coal Preparation Congress. Not all countries listed.*

## Other Activities

Licensing agreement with Intec International Projects (IIP)

- 5% royalty on revenue generated by IIP in relation to Intec Process applications.
- IIP recently completed pilot plant program in Malaysia for Monument Mining Ltd.
- dependent upon milestone achievements, Monument will issue \$C3.5 million share value to IIP to which royalty will apply.

Zeehan Slag Dump:

~ approximately 430,000 tonnes at 14% Zn. Realisation strategies currently being investigated.

Hellyer Royalty

- Future value dependent upon exploitation of existing resources and exploration success.