



Intec Ltd

ABN 25 001 150 849

Superior and Sustainable Metals Production

Level 3
2 Elizabeth Plaza
North Sydney NSW 2060 Australia
PO Box 1507
North Sydney NSW 2059 Australia



Phone: 02-9925-8170
Fax: 02-9925-8110
Email: mail@intec.com.au
Website: www.intec.com.au
ASX code: INL

Companies Announcements Office
Australian Securities Exchange

19 November 2009

Intec Presentation to Ai Group's Environmental Forum

As part of ongoing marketing and industry communication, Intec Ltd (ASX: INL) has delivered the attached presentation to the Environmental Solutions Forum of the Australian Industry Group.

As noted by the Ai Group: "Ai Group's environmental solutions forums help companies to solve their environmental challenges in the areas of water, energy and waste. The forums bring together companies facing environmental challenges with companies providing environmental solutions as well as providing networking opportunities."

The Chairman's Address and my powerpoint presentation for this afternoon's 2009 Annual General Meeting of shareholders will be published after 4:15pm today.

Yours faithfully

Intec Ltd

Philip R Wood

Managing Director and Chief Executive Officer

About Intec Ltd

Intec Ltd is listed on the Australian Securities Exchange, the Deutsche Boerse in Germany and the OTCQX in the USA.

The Intec Process comprises a set of patented chloride-based hydrometallurgical processes that have been demonstrated to produce high purity base and precious metals from concentrates of sulphide and oxide ores, tailings and industrial wastes. The Intec Process has substantial environmental and cost advantages over both the widely used conventional smelting and refining processes and other known hydrometallurgical and inorganic waste treatment processes.

Intec has current deals and plans in place for the development of projects for the clean production of high grade products from secondary mineral resources, and for the recycling of metals from industrial wastes, both in Australia and China. In addition, there is significant potential for the international application of Intec's intellectual property in a wide range of other international locations.



Intec Ltd

Industrial Ecology: A New Look at Wastes

This presentation will discuss how Intec is recovering precious metals from industrial waste.

A presentation to the Ai Group Environmental Solutions Forum
18 November 2009



Intec Ltd

Superior and Sustainable Metals Production

Company Overview

Intec is an Australian company with patented hydrometallurgical technology plus a range of know-how for the recovery of base and precious metals from a wide range of mineral and industrial resources.

As a world leader in the field of chloride hydrometallurgy, Intec is successfully applying its technology to the recycling of heavy metals from industrial wastes in Australia.





Intec Ltd

Superior and Sustainable Metals Production

Industrial Ecology

Industrial Ecology promotes enhanced sustainability by stimulating innovations in the reuse of waste materials. The wastes or by-products of one industry are used as inputs in another industry, thereby closing the material loop of industrial systems and minimizing waste.

Intec is pleased to be part of the Industrial Ecology Network, an industry-driven initiative as part of the Waste Management Association of Australia:

“To promote & encourage the development of activities, processes and relationship between entities which convert surplus, spent or unwanted materials, energy and services into valuable resources.”

Member of:



Intec Ltd

Superior and Sustainable Metals Production

Our Service

Intec recycles heavy metals and precious metals from industrial wastes – sludges, filter cakes, dusts or waste waters .

Instead of creating extra waste by trying to lock these metals up in cement then disposing of them to landfill, Intec extracts and recovers them as useful mineral products.

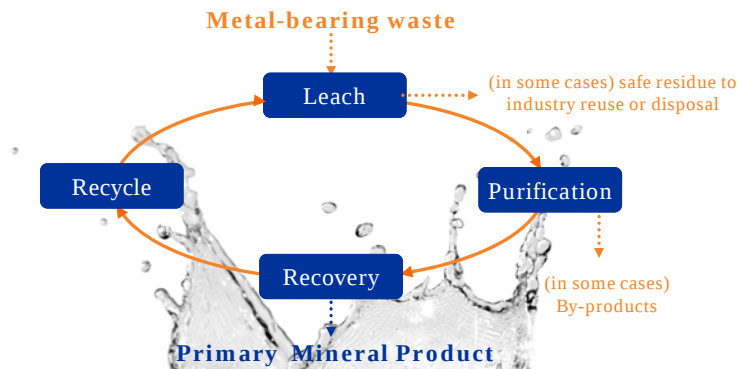




Intec Ltd

Superior and Sustainable Metals Production

The Intec Process



Intec Ltd

Superior and Sustainable Metals Production

Research and Operations Facility: Intec Envirometals Burnie, Tasmania





Intec Ltd
Superior and sustainable metal production



Intec Ltd

Superior and Sustainable Metals Production

Current Operations: Surface Finishing Industry Wastes

- heavy metal sludges and filter cakes from surface finishing industry
- high levels of contamination
- no previous acceptable solution, not even allowable landfill
- Waste has been accumulating for 15 years
- Intec provides an economic and environmentally-superior recycling option

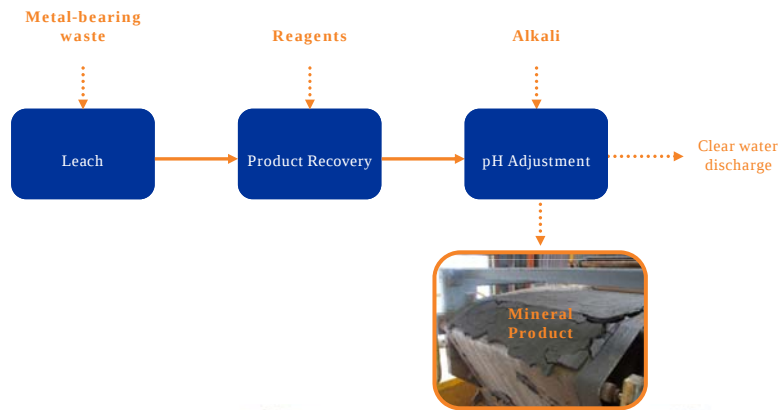




Intec Ltd

Superior and Sustainable Metals Production

Operations: Recycling Heavy Metals at Burnie, Tasmania



Intec Ltd

Superior and Sustainable Metals Production

Operations: Recycling Heavy Metals at Burnie, Tasmania

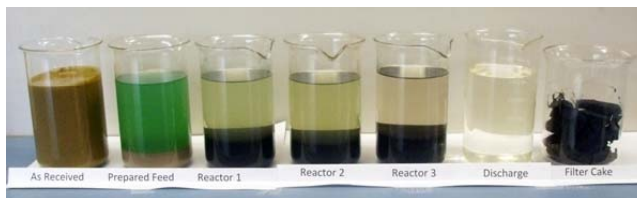
Element	Concentration in Waste Feedstock	Average Recovery to Product	Clear Discharge Concentration
Lead	43 wt%	>99%	<10 mg/l
Iron	1.6 wt%	>99%	<10 mg/l
Copper	2.4 wt%	>99%	<10 mg/l
Tin	7.5 wt%	>99%	<10 mg/l
Nickel	8.7 wt%	>99%	<10 mg/l
Calcium	<1 wt%	n/a	9-10 g/l
pH	10-11		6-9



Intec Ltd

Superior and Sustainable Metals Production

Operations: Recycling Heavy Metals at Burnie, Tasmania



Intec Ltd

Superior and Sustainable Metals Production

2009 Australian Environmental Awards

Runner-up, Tasmanian Awards for Environmental Excellence
Small Business Sustainability Category, June 2009

Finalist, Banksia Environmental Awards
Eco Innovation Category, July 2009

"A publicly-listed Australian company, Intec Ltd has 'cracked the nut' of an industry problem that has waited decades for a viable technology and engineering solution. At its Burnie Research Facility, Intec developed a process to recycle heavy metal-contaminated inorganic waste materials, which are produced by industrial manufacturers globally."

www.banksiafdn.com.au



Category Finalist



Intec Ltd

Superior and Sustainable Metals Production

Developing Projects and Opportunities: Industrial Wastes



Intec Ltd

Superior and Sustainable Metals Production

Near Opportunity: Surface Finishing Industry Wastes

- Intec has commenced discussions with the Australian Institute of Surface Finishing (Australia's peak industry organisation for this sector)
- Chromium-contaminated wastes are common in surface finishing
- Intec is adapting know-how for the recovery or recycling of all metals in surface finishing wastes, including chromium
- Early results are promising, with >98% chromium extraction from the waste feedstock





Intec Ltd

Superior and Sustainable Metals Production

Current Project: Galvanising Industry Wastes

- Steel is dipped in hydrochloric acid prior to hot-dip galvanising
- Over time, the acid strength decreases, and the acid builds iron, zinc and other contaminants
- This 'spent pickle liquor' is conventionally disposed of as a waste, by first precipitating the metals with alkali, then dumping the heavy metal waste in landfill



Intec Ltd

Superior and Sustainable Metals Production

Current Project: Galvanising Industry Wastes

- Intec has proposed a cleaner, cheaper alternative process to recycle the metals and acid back into useful products
- A \$2.9 million project is expected to commence in Victoria shortly
- This project is expected to yield a full-scale recycling facility by 2010, for the recycling of a minimum of 1,000,000 litres per annum of spent pickle liquor





Intec Ltd

Superior and Sustainable Metals Production

Waste Opportunities: Industry

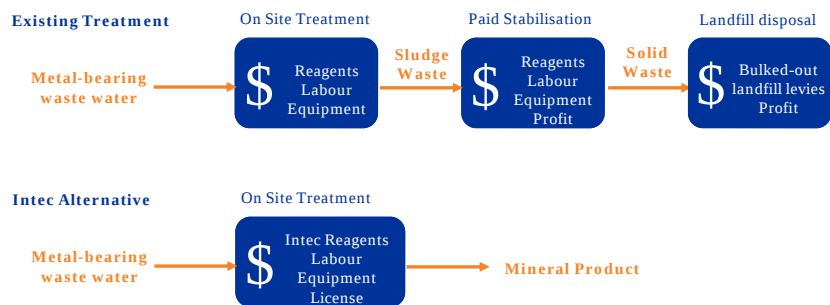
- Industrial waste problems are common across like industry groups, both within Australia, China and elsewhere internationally.
- Conventional technologies commonly rely on stabilisation of heavy metals prior to landfill disposal
- This involves addition of large quantities of chemicals, increasing the total quantity of waste for landfill disposal
- Intec's technology recovers the metals as useful mineral products
- Some proposed applications can operate on a zero-waste basis (no liquid effluents)



Intec Ltd

Superior and Sustainable Metals Production

Waste Opportunity: On-Site Application of the Intec Process





Intec Ltd

Superior and Sustainable Metals Production

Potential Future Opportunities

- Metal sludges, solids, filter cakes and waste waters
- Metal wastewaters (chlorides, fluorides, sulphates, ammonia, etc)
- Plating industry chromium wastes
- Timber industry 'CCA' (copper chrome arsenate) wastes
- Acid mine drainage and mineral residues (jarosites, pyrites, tailings)
- Battery chemical wastes
- Electronic wastes (lead from CRT monitors, precious metals from circuit boards)



Intec Ltd

Superior and sustainable metal production

How much mineral product can be produced by Australian industry?





Intec Ltd

Superior and Sustainable Metals Production

Industrial Ecology in Practice

"Intec's technology is a win for the environment, and a win for industry.

It represents a much better environmental outcome than the alternative, at a lower cost than conventional technologies, while providing additional recycled metalliferous feedstock from the manufacturing to the metals industry."

Philip Wood, Managing Director & CEO, Intec Ltd



Intec Ltd

Superior and Sustainable Metals Production

www.intec.com.au

Head Office

Level 3, 2 Elizabeth Plaza
North Sydney, NSW 2060
(ph): +61 2 9925 8170
(fax): +61 2 9925 8110
(email): mail@intec.com.au

Tasmanian Operations

10-12 River Road
Burnie, TAS 7320
(ph): +61 3 6431 8170
(fax): +61 3 9925 8110
(email): mail@intec.com.au