



# Intec Ltd

ABN 25 001 150 849

*Superior and Sustainable Metals Production*

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ASX code: INL

Companies Announcements Office  
Australian Securities Exchange

22 April 2009

## Presentation to the Boardroom Radio Online Conference

Intec's Corporate Development Manager Dave Sammut has delivered an audio presentation to the Boardroom Radio Mining Services eConference.

This virtual conference will be made live on the Boardroom Radio web site ([www.brr.com.au](http://www.brr.com.au)) at 10am today. Details of the internet-based event and a list of participants can be found at: <http://www.brr.com.au/conference/mining-services/>

Intec's PowerPoint presentation is attached and can be viewed with the accompanying audio directly on the Boardroom Radio web site at:

<http://www.brr.com.au/event/57105>

It can also be viewed in this format via the Intec web site:

[http://www.intec.com.au/?/Multimedia\\_Gallery/Video\\_Gallery](http://www.intec.com.au/?/Multimedia_Gallery/Video_Gallery)

Yours faithfully  
**Intec Ltd**

**Philip R Wood**  
Managing Director and Chief Executive Officer



ASX code: INL



# Intec Ltd

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BOARDROOM RADIO ONLINE CONFERENCE  
April 2009



## Intec Ltd

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### ► Corporate Overview

#### KEY DATA

Ticker	ASX: INL BBX: INF OTCQX: ICLJY
Share price	\$0.020
Market capitalisation	\$13.8m
Shares on issue	674.3m
Options on issue	131.9m
12 month range	\$0.006 – \$0.090
Fully diluted shares	806.2m



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## > Corporate Overview

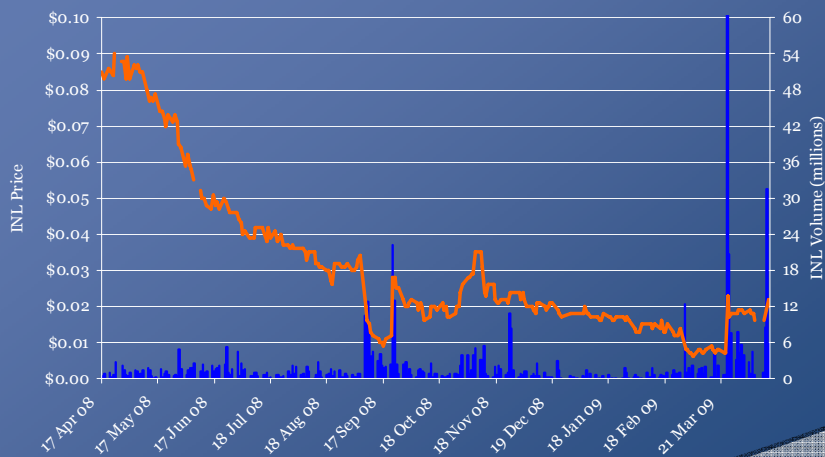
MAJOR SHAREHOLDERS	SHARES (m)	%
Ivanhoe Mines Limited	41.2	6.1%
ANZ Nominees Limited	39.2	5.9%
Directors and management	11.1	1.6%
Oregon Nominees Limited	10.0	1.5%
Alliance Resources Limited	9.5	1.4%
Other top 20 shareholders	74.4	11.0%
<b>Top 20 shareholders</b>	<b>182.6</b>	<b>27.1%</b>
Top 200 shareholders	407.2	60.4%
Other >3,000 shareholders	267.1	39.6%
<b>Total</b>	<b>674.3</b>	<b>100.0%</b>



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## Intec Share Price and Trading Volumes





## Intec Ltd

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### ➤ The Company

Intec Ltd is a hydrometallurgical technology company, listed on the ASX, BBX and OTCQX, focused on the utilisation of metallurgical processes to commercially recover base and precious metals from conventional and unconventional feedstocks using the patented Australian Intec Process and related technologies.

5



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### ➤ The Intec Process

- a family of related hydrometallurgical technologies to extract and recover intermediate and high-purity base and precious metal products from a range of mineral feed-stocks
- patented and commercial-ready
- cost effective and environmentally beneficial
- three basic parts: leaching, purification, and electrowinning

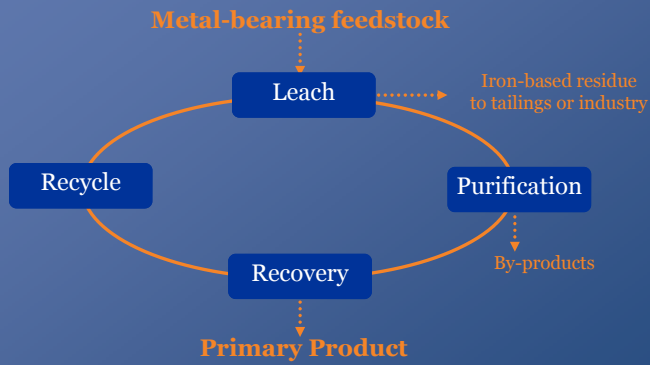
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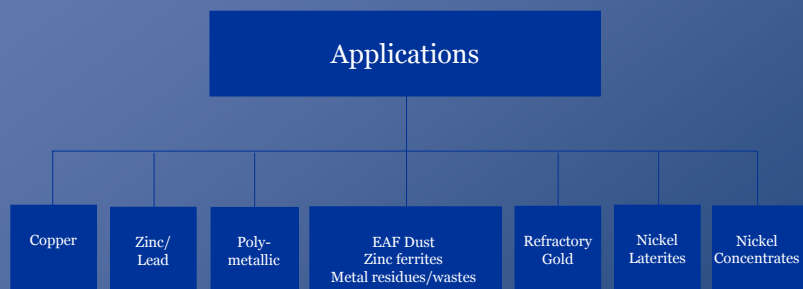
## > The Intec Process



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## The World Leader in Minerals Processing Chloride Hydrometallurgy



Technical collaboration agreement with Outotec



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### ➤ **Intec Process Advantages: Minerals**

- High efficiency extraction and recovery, commonly >98%
- Low capital cost and operating cost
- Wide range of feedstocks, flexible technology
- High grade metal and/or mineral intermediate products
- Atmospheric pressure process.
- Temperature below 100°C
- Common materials of construction keeps capital cost low



11



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### ➤ **Intec Process Advantages: Minerals**

- Cyclic process yields high energy efficiency
- No gaseous emissions or liquid effluents
- Stable solid residues for industry reuse or landfill
- No cyanide leach for gold recovery
- CSIRO Life Cycle Assessment gave the Intec Process lowest total environmental impact of competing technologies

12



## ➤ Mineral Applications

- In some cases, the ability to produce saleable polymetallic and/or contaminated concentrates could be transformative to the economics of production for the miners
- The miners have paid to mine, mill, and float their concentrates
- The incremental costs of floating an 'intermediate' concentrate are minimal
- The incremental revenue is potentially significant
- **This offers a significant win-win potential for both Intec and the miners**



## ➤ Developing Minerals Projects

	<b>Phase I</b> Laboratory	<b>Phase II</b> Basic Engineering	<b>Phase III</b> Optimisation & Pilot Test	<b>Phase IV</b> Demonstration	<b>Phase V</b> Commercial Project
Intec Metals Recycling Project	√	√	√	√	Pending
Browns Sulphide	√	√	Delayed		
Russia	√	√	Delayed		
Iran	Pending				



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## ➤ The Intec Process: Branching Out

- Originally designed for mineral feedstocks
  - Sulphide minerals
  - Oxide minerals
  - Carbonates and less common minerals
  - Refractory minerals
  - Ores, concentrates and tailings
- More recently expanded to waste feedstocks
  - Solid industrial wastes
  - Wastewaters
  - Waste sludges
  - Mine tailings waters

13

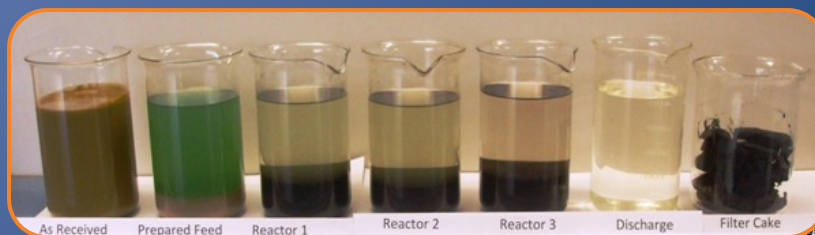


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## ➤ Waste Applications

- Mine tailings waters, waste waters, waste sludges
- From minerals processing or industrial applications
- Recycle heavy metals to mineral products
- Potential for zero-waste recycling



14



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### ➤ Waste Applications

- First commercial contract announced 18 March 2009
- Heavy metal waste sludges
- Automotive Components Ltd (Launceston)
- High levels of contamination
- Previously no acceptable options: stored for 15 years
- Intec's solution uses technology and know-how developed through and related to the Intec Process



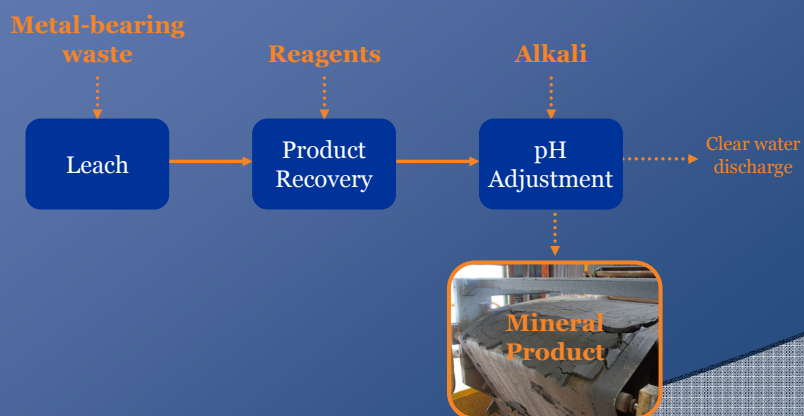
15



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### ➤ ACL Commercial Waste Recycling



16



### ➤ ACL Commercial Waste Recycling

Element	Concentration in Waste Feedstock	Average Recovery to Product	Clear Discharge Conc.
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



### ➤ Waste Opportunities: Mining

- Intec's technology and know-how are potentially widely applicable
- The runoff from many mines contain appreciable quantities of heavy metals
- Conventional technologies are costly, generally trying only to precipitate the metals back to the tailings in the dam
- Intec's technology can recover the heavy metals as product, at lower cost than conventional technology
- Similar problems are common across mine tailings dams, both within Australia and internationally



## ➤ Waste Opportunities: Industry

- Industrial waste problems are common across like industry groups, both within Australia and 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)
- By comparison to minerals processing, the barriers to Intec’s entry into this business sector are low



## ➤ Developing Waste Projects

	<b>Phase I</b> Laboratory	<b>Phase II</b> Basic Engineering	<b>Phase III</b> Optimisation & Pilot Test	<b>Phase IV</b> Demonstration	<b>Phase V</b> Commercial Project
Burnie Research Facility	✓	✓	✓	✓	✓
Intec Metals Recycling Project	✓	✓	✓	✓	Pending
China EAF Dust Project	✓	✓	✓	✓	Pending
Project pipeline	To be advised				



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## > Waste Applications

“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*

11



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INTEC’s mutiple projects  
**= multiple profits**

12



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