

# **Annual General Meeting**13 November 2014

Presentation by M.J. Turbott Managing Director



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### Rewastle Iron Recovery Plant (NIRP)

- The NIRP will use Austpac's unique acid regeneration & iron reduction processes to commercially recycle iron oxide waste (mill scale & furnace dusts) and spent pickle liquor
- > The NIRP project commenced in mid-2011 and has proceeded in stages:
  - > 2011-2012 Kronos funding (\$12.5 million; shares & licence)
  - > 2013 Austpac funded (\$7.5 million; sale of EL 4521 Victoria)
  - > 2014 Austpac funded (\$2.5 million; shares)
- ➤ Project construction is 86% complete
- > At full production the Plant will produce
  - > ~18,000 tpa saleable iron (iron chips or briquettes)
  - $> \sim$  18,000 tpa strong (25%w/w) hydrochloric acid

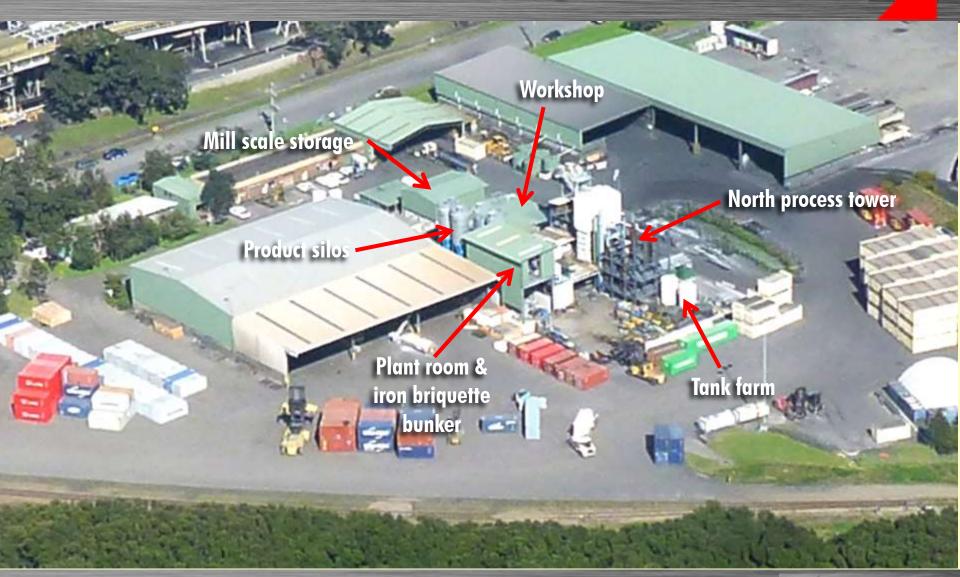


### Newcastle Iron Recovery Plant (NIRP)



SALE MANAGER

### Rewastle Iron Recovery Plant (NIRP)



AUSTPAC

## Rewastle Iron Recovery Plant (NIRP)

#### PROJECT EXPENDITURE

Capital Expenditure (to June 2013)	\$15.5 million
Capital Expenditure (July 2013 to June 2014)	\$ 2.5 million
Total to June 2014	\$18.0 million
Capital required to complete construction &	\$ 3.8 million
installation of equipment	
Total Capital for NIRP	\$21.8 million
Commissioning	\$ 3.0 million
Total project to commence operations	\$24.8 million

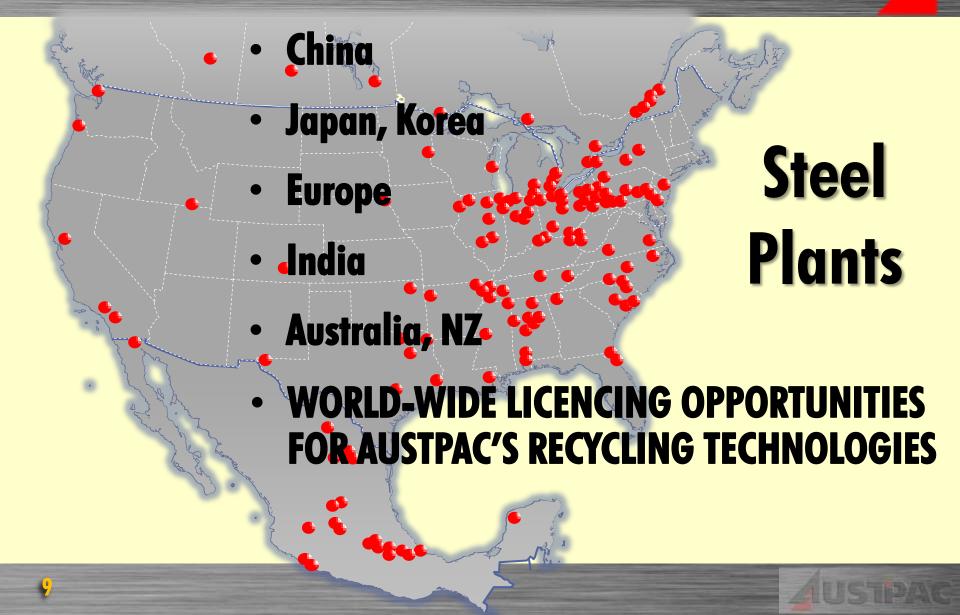
### Newcastle Iron Recovery Plant (NIRP)

#### Corporate developments during 2014

- ➤ Austpac agreed to undertake a bulk trial of furnace dusts from BlueScope Steel's Port Kembla steel mill as part of commissioning; BlueScope has an option to licence the technology for use in their plants (NSW, Vic, NZ)
- ➤ Negotiations for funding to complete the NIRP now well-advanced with a major international company involved in the steel industry
  - > Includes construction and commissioning costs
  - > Includes an alliance to maximise NIRP profitability
  - > Aims to identify opportunities for Austpac's technologies around the world
- Cost containment program (including salaries and overheads) implemented in October 2014

### Newcastle Iron Recovery Plant (NIRP)

- Project timing
  - > Assemble experienced project management team
  - **➤** Complete construction 6 months
  - Commissioning 3 months
    Includes 1,000 tonne trial of BlueScope's furnace dusts
- > NIRP will commence production in 2015
- Operations at NIRP will demonstrate the commercial viability of Austpac's technologies to the world steel industry



### Liulure Opportunities - Steel Waste

- ➤ In 2013 North America produced ~120MT crude steel
- $\succ$  Total World in 2013  $\sim$  1,600MT crude steel (China  $\sim$ 820MT)
- ➤ All steel furnaces produce dusts; in North America over 4MT of dust requires treatment each year
- > Governments penalise dumping; pressure to recover metals from dust with benign technology (e.g. Austpac)
- > Austpac's objectives:
  - > Obtain significant cash flows from technology licences and production royalties from steel mills around the world
  - ➤ Develop cooperative ventures for build-own-operate steel waste recycling plants; Austpac provides technology, joint venture partner provides capital



### AUSTPAC'S FOCUS FOR 2015

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**COMPLETION OF CONSTRUCTION,** EQUIPMENT INSTALLATION, **COMMISSIONING AND COMMENCEMENT OF COMMERCIAL OPERATIONS AT THE NEWCASTLE IRON RECOVERY PLANT** 

