



Port Pirie Smelter

Resources for a changing world



Operation at a glance

Located on the eastern shore of the Spencer Gulf in South Australia, approximately 230 kms north of Adelaide, the Smelter has been in constant operation for more than 120 years. There is an adjacent dedicated port facility where concentrates are received, with final products dispatched by road and rail.

Fast facts...

Location

– Port Pirie, South Australia

Technology

– lead smelter – sinter plant, blast furnace and refinery
 zinc – slag fuming leach electrowin
 copper – solvent extraction/electrowin (SXEW)

Products

– Commodity grade lead, zinc, silver, copper cathode, gold and sulphuric acid

Employees

– 726

Production 2011

– 195,000 tonnes lead metal
 30,000 tonnes zinc metal
 4,000 tonnes copper cathode
 18,563,000 troy ounces silver
 36,000 troy ounces gold

OVERVIEW

Port Pirie is an integrated multi-metals recovery plant with the flexibility to process a wide range of lead rich concentrates and smelting industry by-products. Port Pirie is one of the world's largest primary lead smelting facilities and the third largest silver producer, which allows it to generate significant economies of scale.

Port Pirie's competitive position is enhanced by its ability to produce a range of metals and treat a variety of by-products, together with its focus on supplying the growing markets of Asia, especially China. Port Pirie is strategically linked to the Hobart smelter through flows of by-products such as paragoethite and leach products.

Port Pirie secures its primary lead concentrate feed from a variety of local third party mines. It also processes a large amount of secondary feed, which is partly sourced from the Hobart smelter with the balance coming from existing stockpiled materials at Port Pirie and other third party suppliers. Port Pirie leases and operates a committed port facility, through which it receives a large part of its feed supplies.

The Port Pirie operation incorporates a lead smelter and refinery, a precious metals refinery, a copper plant and a zinc plant.



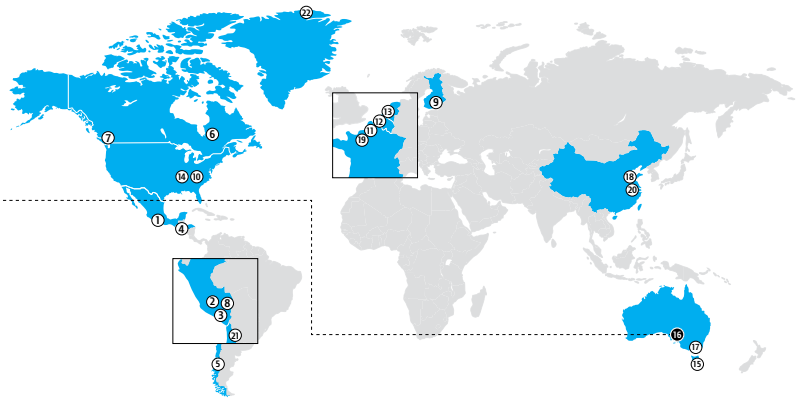
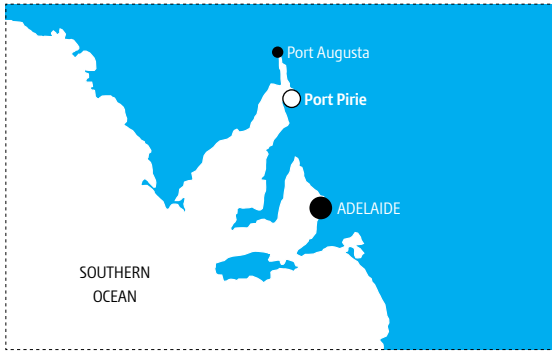
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Port Pirie, and the world of Nyrstar

Port Pirie, South Australia



- ① Campo Morado, Mexico
- ② Contonga, Peru
- ③ Coricancha, Peru
- ④ El Mochito, Honduras
- ⑤ El Toqui, Chile
- ⑥ Langlois, Canada

- ⑦ Myra Falls, Canada
- ⑧ Pucarrajo, Peru
- ⑨ Talvivaara (Streaming Agreement), Finland
- ⑩ Tennessee Mines, USA
- ⑪ Aubuy, France
- ⑫ Balen/Overpelt, Belgium

- ⑬ Budel, The Netherlands
- ⑭ Clarksville, USA
- ⑮ Hobart, Australia
- ⑯ Port Pirie, Australia
- ⑰ ARA (Interest 50%), Australia

- ⑱ Fohl (Interest 50%), China
- ⑲ Galva 45 (Interest 66%), France
- ⑳ Genesis (Interest 50%), China
- ㉑ Herculita (Interest 10.24%), Chile
- ㉒ Ironbark Zinc Ltd. (interest 26.5%), Greenland

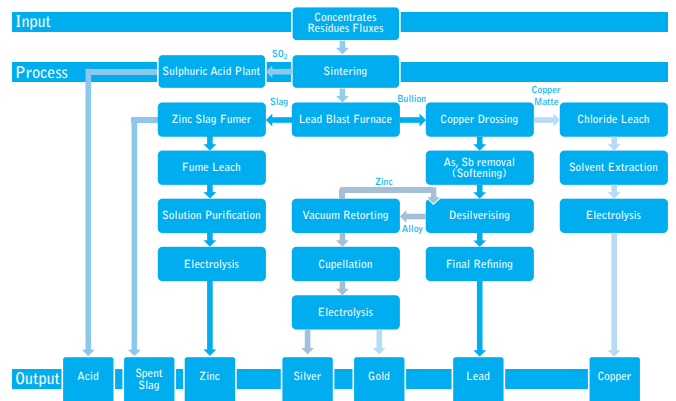
MINES/STREAMING AGREEMENTS
 SMELTERS
 OTHER OPERATIONS
 DEVELOPMENT

THE WORLD OF NYRSTAR

Nyrstar Port Pirie is part of Nyrstar, an integrated mining and metals business with market leading positions in zinc and lead, and growing positions in other base and precious metals; essential resources that are fuelling the rapid urbanisation and industrialisation of our changing world. Nyrstar has mining, smelting, and other operations located in Europe, the Americas, China and Australia and employs over 7,000 people. Nyrstar is incorporated in Belgium and has its corporate office in Switzerland. Nyrstar is listed on NYSE Euronext Brussels under the symbol NYR.

Nyrstar is committed to providing a safe environment for our employees, minimising our smelters' and mines' impact on the environment and contributing to the communities in which we operate.

PRODUCTION PROCESS AT PORT PIRIE



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 nyrstar.com