



Port Pirie Smelter

Australia

Fast Facts

TECHNOLOGY: top submerged lance (TSL) furnace, sinter plant, blast furnace and lead refinery. Slag fuming leach, electrowin copper, solvent extraction/ electrowin (SXEW)

PRODUCTS: commodity grade lead, copper cathode, silver and gold dore and sulphuric acid

PRODUCTION 2017: 45 kt sulphuric acid, 170 kt lead metal, 4,2t copper cathodes, 13,556 troy ounces silver, 72,629 troy ounces gold

EMPLOYEES: ~ 720



Location

The Port Pirie Smelter is located on the eastern shore of the Spencer Gulf in South Australia, approximately 200 km north of Adelaide. There is an adjacent dedicated port facility where concentrates are received, with final products dispatched by road and rail.

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.

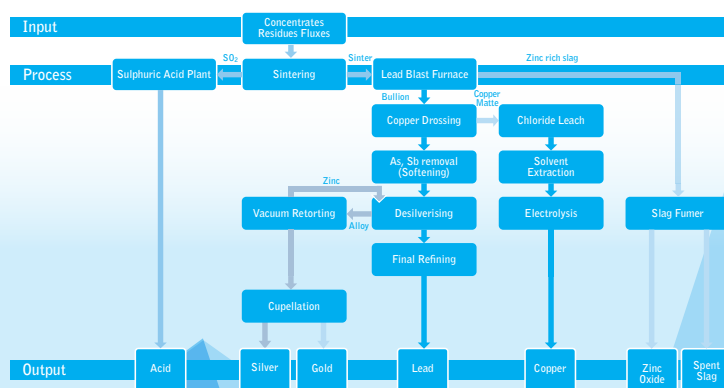
Port Pirie is strategically linked to the Hobart smelter through flows of by-products such as paragoethite and leach products.

Port Pirie Redevelopment Project

The Port Pirie Redevelopment involves the conversion of the Port Pirie operations into an advanced metal recovery and refining facility enabling the facility to process a wider range of high margin feed materials, including internal zinc smelter residues and concentrates which Nyrstar expects to account for approximately 50% of feed material requirements. The increased operating flexibility of the smelter following the Port Pirie Redevelopment is expected to create a fundamentally different operating and business model.

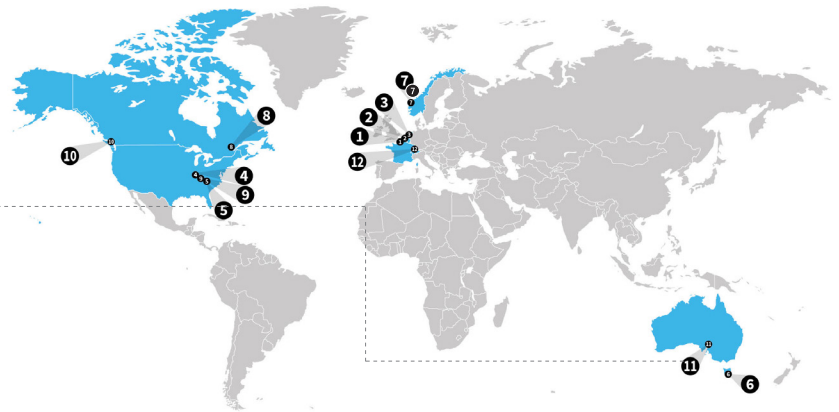
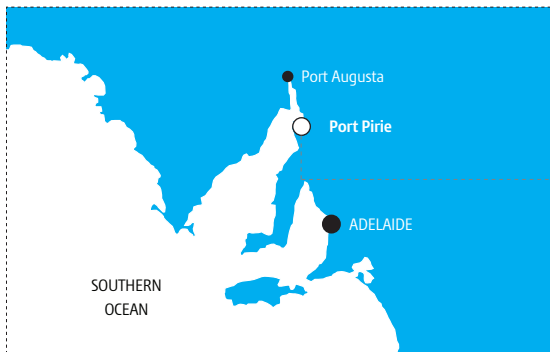
The key aspects of the Port Pirie Redevelopment include the replacement of the existing sinter plant with an oxygen enriched bath smelting furnace and replacement of the existing sulphuric acid plant with a new plant with greater capacity and upgraded technology.

PRODUCTION PROCESS AT PORT PIRIE



PORT PIRIE, AND NYRSTAR'S OPERATIONS WORLDWIDE

Port Pirie, South Australia



MINING



METALS PROCESSING



HEADQUARTERS

- | | | | |
|----------------------------|------------------------------|-----------------------------|--------------------------|
| ① Aubuy, France | ④ Clarksville, USA | ⑦ Hoyanger, Norway | ⑩ Myra Falls, Canada |
| ② Balen/Overpelt, Belgium | ⑤ East Tennessee Mines, USA | ⑧ Langlois, Canada | ⑪ Port Pirie, Australia |
| ③ Budel, The Netherlands | ⑥ Hobart, Australia | ⑨ Mid Tennessee Mines, USA | ⑫ Zurich, Switzerland |

NYRSTAR OVERVIEW

Nyrstar Port Pirie is part of Nyrstar, a global multi-metals business, with a market leading position in zinc and lead and growing positions in other base and precious metals, such as copper, gold and silver. Nyrstar has six smelters, one fumer and four mining operations, located in Europe, Australia and North America, and employs approximately 4,100 people. Nyrstar's global operations are located close to key customers and major transport hubs to facilitate delivery of raw materials and distribution of finished products.

The Company is incorporated in Belgium and has its corporate office in Zurich, Switzerland. Nyrstar is listed on Euronext Brussels under the symbol NYR.

HISTORY

After 150 years of continuous operation, the Port Pirie Smelter has a rich and dynamic history. Port Pirie was South Australia's first provincial city and the fourth declared Port in Australia. Port Pirie is one of the key regional cities in South Australia, with the Port Pirie Smelter being one of the major employers of the Upper Spencer Gulf region. The first smelting operations commenced at Port Pirie in 1889 and a long history of smelting has followed. The Port Pirie community is extremely parochial about the smelter with generations of the same family often having worked at the facility.

The community and the Port Pirie smelter are intrinsically linked. Nyrstar is committed to reducing its environmental footprint and the site has a strong focus on reducing emissions from the site. For numerous years the site has worked proactively with key stakeholders developing and implementing community initiatives that reduce exposure and improve community health particularly with young children (www.tlap.com.au).



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