



# Hobart Smelter

Resources for a changing world



## Fast facts...

### Location

– Hobart, Tasmania, Australia

### Technology

– roast, leach, electrolysis (RLE) smelting

### Products

– special high grade (SHG) zinc, zinc alloys and sulphuric acid

### Employees

– 498

### Production 2011

– 279,000 tonnes zinc metal

## Operation at a glance

The Hobart smelter is a large-scale zinc smelter located on the western bank of the Derwent River Estuary in Hobart, Tasmania. The facility uses the RLE process for zinc production. Hobart is closely integrated with the Nyrstar Port Pirie multi-metals smelter, which processes Hobart's paragoethite by-product as well as a relatively small volume of other leach by-products. The site has operated for more than 90 years and is one of the world's largest and most efficient zinc producers, with a capacity of 280,000 tonnes of market metal.

## OVERVIEW

The Hobart smelter is one of the world's largest zinc smelters in terms of production volume. It is focused on high value added products for export to growing markets in Asia. The site has been significantly upgraded and modernised over the last 25 years, with improvements such as modernisation of gas purification and acid plants in the roasting facility, the modernisation of the leaching and purification processes, the introduction of mechanised zinc stripping in electrolysis and the automation of the casting plant. These major capital works and operational improvements have increased the plant's annual operating capacity from approximately 170,000 tonnes of zinc in 1977 to approximately 280,000 tonnes in 2011.

Hobart's key products are SHG zinc, die cast alloys (branded 'EZDA') and CGG (continuous galvanising grade) alloys. In addition, the site produces by-products of cadmium, copper sulphate, paragoethite, lead sulphate leach concentrate and sulphuric acid.

The Hobart site was the original base load consumer for the development of Hydro Electricity in Tasmania. Competitive power costs, a deep water port and Australian sourced zinc concentrates have been recognised as the site's historical competitive advantages which are now partially off set by higher freight costs for sales of finished products to South East Asian markets.



## CONTACT INFORMATION

### Nyrstar Hobart

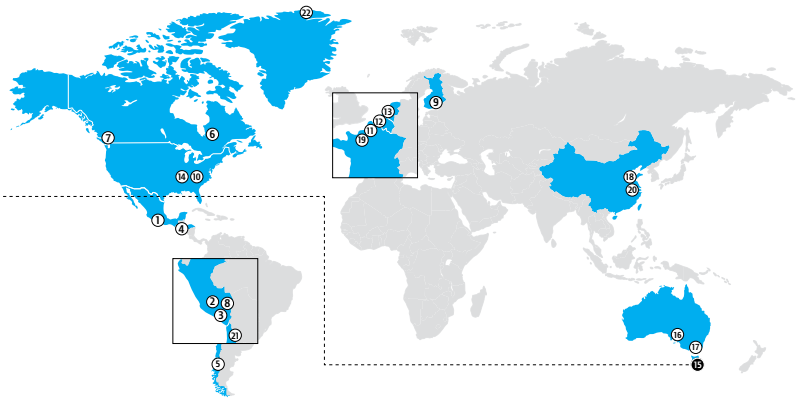
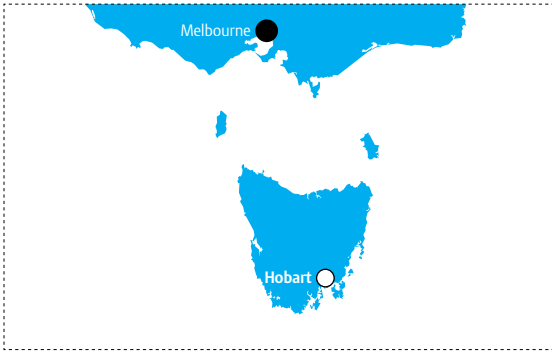
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# Hobart, and the world of Nyrstar

## Hobart, 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 Auby, 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

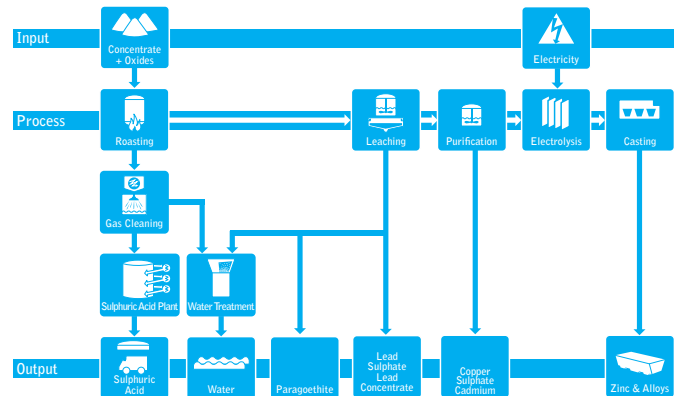
MINES/STREAMING AGREEMENTS    
 SMELTERS    
 OTHER OPERATIONS    
 DEVELOPMENT

## THE WORLD OF NYRSTAR

Nyrstar Hobart 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 HOBART



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[nyrstar.com](http://nyrstar.com)