

Alcoa World Alumina Australia is the global leader in alumina production and Australia's sixth largest resources sector exporter. Alcoa is an integrated business comprised of bauxite mining, alumina refining, aluminium smelting, rolling and canned sheet products, with operations in Victoria, Western Australia and New South Wales.

Electrician

In 2010, an opportunity is available for an Electrical apprentice position at our Portland Smelter.

As an apprentice Electrician, you will be learning about the Electrical equipment used for controlling the process of making aluminium. Your training will involve working out in the Plant on maintenance, installation and fault finding on all types of electrical/electronic and pneumatic equipment.

You will learn the operation of a wide range of instruments and the principles involved in monitoring and controlling variables such as flow level, pressure, density and temperature.

In addition, you will discover how electricity is generated and distributed around the smelter. You will work on a variety of equipment ranging from simple light and power installations to variable speed drives and programmable logic controllers.

An integral part of your training will be reading and understanding schematic, single line electrical and process instrument drawings. Smelter work is often dirty and potentially hazardous, so you will learn and follow the plant safety procedures at all times. This work requires you to stand most of the day and can be physically demanding. A high degree of manual dexterity is essential in this trade.

Apprentices will be rotated through all areas of the Smelter.

An Electrician is an interesting and challenging trade that allows you to move around the smelter developing process knowledge as you progress.

To apply for apprentice opportunities in this field, please visit www.alcoa.com.au/apprenticeships to download an **Application Form**.

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Fitter and Turner

In 2010, opportunities are available for Fitter and Turner apprentice positions at our Portland Smelter.

As an apprentice in the Fitter and Turner trade, you will be based in the Main Workshop. Initially your duties will involve the overhaul, repair, manufacture and machining of components on all fixed mechanical plant. Equal amounts of time are spent between the fitting and machining sections.

In the work shop, you will learn the safe operation of many types of machine tools, including centre lathes, grinding and milling machines, horizontal and vertical boring machines and a computerised N.C. lathe. You will be required to use these machines to repair and re-manufacture a large range of items used throughout the smelter and mine site. Working from technical drawings, samples or sketches you will work to close measurement tolerances on such items as shafts, pulleys, gear box and pump parts.

Apprentices will be rotated through all areas of the Smelter.

Work in both of these sections requires you to stand for most of the day. Although cranes are provided, the work is sometimes physically demanding and a high degree of manual dexterity is essential in this trade.

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