

# Kwinana Industrial Area Integrated Assessment

## Environmental, Social and Economic Impact

### Kwinana Industrial Area

The Kwinana Industrial Area (KIA) is the State's premier heavy industrial precinct and a world-class example of industrial integration. It is a cornerstone of the Western Australian economy.

The Kwinana Industrial Area Integrated Assessment (SKM, 2007) provides a fascinating perspective on the growth of a unique industrial area.

The KIA is one of the few areas in the world where so many companies work with their industrial neighbours and the local community to achieve a range of benefits and advantages for the environment, community and industry

### History and Overview

The Kwinana Industrial Area was established in the 1950s by a special Act of Parliament, which secured an area of about 120 square kilometres to accommodate the development of major resource processing industries in Western Australia.

Located 40 km south of the Perth city centre, adjacent to the sheltered waters of the Cockburn Sound, the KIA has well developed infrastructure, access to skilled labour, a close association with the local community and the advantage of the co-existence of diverse and complementary industries.

The Kwinana Industrial Area's many features make it a world class industrial estate. Its deep water port is capable of handling bulk cargo, a 30 minute freeway drive links the estate to Perth's central business district and it is linked via road and rail to the Fremantle container port and the eastern states of Australia.

Kwinana is strategically placed for export markets, having direct shipping access to South East Asia.



Since the construction of a single oil refinery, the Kwinana Industrial Area has grown to encompass a diverse range of industrial activities, from fabrication and construction facilities through to high technology chemical and biotechnology plants and large resource processing industries, such as titanium dioxide pigment production and alumina and nickel refineries.

These are complemented with a variety of utility operations, including power stations, cogeneration plants, air separation plants, port facilities, desalination and wastewater treatment plants.



## Environmental Impact

The increased environmental focus of Kwinana industry has resulted in a number of improvements through:

- reductions in air emissions
- cleaner production
- waste minimisation and
- water conservation and wastewater reuse.

The Kwinana Industries Council continually nurtures and facilitates synergies between member companies. Continued research by Curtin University's Centre for Sustainable Resource Processing will identify further synergies designed to improve economic and environmental outcomes by Kwinana industry working together.

## Social Impact

Through a commitment to open and honest communication, building enduring relationships with its neighbours that are based on mutual respect and long term commitment, the KIC supports a range of forums including:

- Communities & Industries Forum
- Kwinana Environmental Health Forum
- Kwinana Industries Education Partnership
- Kwinana Industries Noise Reference Group and
- Cockburn Sound Management Council.

## Economic Impact

Overall, the Kwinana Industrial Area plays a very important role in the economy of Western Australia and in the local community with

companies continuing to make a major contribution to the wealth of the state and its people.

The Kwinana Industrial Area Integrated Assessment (SKM, 2007) identifies that Kwinana industry:

- Is a major source of revenue for the Western Australian and Australian economies with direct sales of over \$8.5 billion per annum
- Is Western Australia's largest industrial area and has a total factor income (sum of wages, salaries and gross margin before tax depreciation) of up to \$3 billion
- Has annual output worth up to \$16 billion
- Employs more than 4,800 people directly, 64% of whom live locally
- Generates a further 26,000 indirect jobs
- Contributes a high degree of social benefit to employees and its community with a high level of employee services and at least half of community partnerships invested locally
- Has grown significantly since its inception in 1952 and represents a unique blend of connecting heavy, support and infrastructure industries with over 200 synergies, or industrial exchanges, between industries and
- Plans for capital expenditure of more than \$2.5 billion over the next ten years.

A copy of the report is available for download via the Kwinana Industries Council's website at [www.kic.org.au/reports](http://www.kic.org.au/reports).