About Us

Yara Pilbara is part of a global company specialising in agricultural nutrition, industrial products and environmental protection agents.

Throughout the world our highly technical processing plants help create a diverse range of products including fertilizers and applications that reduce emissions from industry and land and sea transport.

The Pilbara

Yara Pilbara operates ammonia and technical ammonium nitrate plants located in the Burrup Strategic Industrial Area in Western Australia’s Pilbara region, two hours flight from Perth.

The Yara ammonia plant is one of the largest ammonia production facilities in the world. The technical ammonium nitrate plant is a joint venture with Orica. Both facilities are adding value to the key building block in our production process – Western Australian gas.

Renewable Hydrogen and Ammonia

Yara has a history of innovation spanning more than 100 years. In the Pilbara we are applying Yara’s experience, knowledge and creative thinking to the development of a pilot plant to produce renewable ammonia through a process of electrolysis using seawater which is purified and harnessing solar energy to separate the hydrogen and oxygen.

The ammonia produced acts as an energy store, that can be used to transport hydrogen. Increased hydrogen use would reduce dependence on fossil fuels, its key ingredients are abundant and the only by-product of hydrogen fuel is water.
**FAST FACTS:**

Yara Pilbara’s ammonia tanks can hold 80,000 tonnes of ammonia. Equivalent to renewable hydrogen for:

- **Approx. 250,000 MWh electricity**
- **Fuel for 60,000 Fuel Cell cars each travelling 20,000km**
- **Every 1kg of renewable H₂ makes 5.6kg of NH₃ and offsets over 5.5kg of CO₂ production**