

# Fuel for Thought

## Producing Fuels

There's some excitement at QER's New Fuels Development Centre at the moment, as we finalise commissioning of our oil upgrader which will upgrade our raw oil into high quality transport fuels.

After a long and methodical preparation of our technology, we are approaching the final stages in having our small-scale Paraho II™ Technology Demonstration Plant up to full speed. We'll be putting the ultra-low sulphur diesel we produce through its paces in a series of truck trials with an Australian company, while our aviation fuel is being sent to England for testing and certification.

We're extremely confident the testing programs will confirm the quality of our diesel and aviation fuels, and that they can one day play an important role in meeting Australia's future fuel security challenge.

Demand for these heavy transport fuels is forecast to increase substantially in decades to come, but given our declining self sufficiency in oil we will have to rely more and more on fuel imports. QER believes that producing kerogen from shale represents one answer to meeting this shortfall in Australia's declining oil production, along with other alternatives such as gas to liquids, coal to liquids and biofuels.

Kerogen is the organic matter in the shale which, when heated, is released as an oil mist which we capture and eventually refine into heavy transport fuels.

Early testing has shown these fuels possess the energy density and combustion qualities needed to drive heavy trucks across the country, and power ships and planes around the world.

For the moment, though, we are concentrating on having our plant run as efficiently as possible. In addition to its role as a demonstration plant to showcase our technology to governments and the community, the plant is also a research facility where we can further refine our processes to achieve improved and sustainable outcomes.

Anyone interested in learning more about our project is welcome to drop by our New Fuels Development Centre on Landing Road at Yarwun. Our site visitor centre is open 7 days a week, including the coming Easter break.



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Creating new fuels for Australia

[www.qer.com.au](http://www.qer.com.au)