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Hazer advances pilot plant

JESSICA CUMMINS

WA

ASX-listed Hazer is making big strides toward commercialisation of its Hazer process; a low cost, low emission hydrogen and graphite production process which uses iron ore as a catalyst.

In late June the company successfully produced graphite and hydrogen in a US-based Rotary Tube reactor (RTR); providing another potential pathway to Hazer process commercialisation.

An average production rate of ca. 7.5 kg/day (unpurified graphite and hydrogen content) was achieved over the course of testing; the largest production rate of the Hazer Process to date.

The company stated that the trial provided an alternative scale up option to accelerate the company's pathway to a commercial sized plant.

Early in the month Hazer Group and Mineral Resources (MinRes) commenced joint development of a pilot plant, which is

on track for commissioning in the September quarter 2018 at MinRes' Kwinana facilities in WA.

The three-stage development pathway proposes a 1 tonne per annum stage 1 pilot plant, 1000tpa stage 2 commercial scale plant, and a stage 3 large-scale, 10,000tpa-plus commercial plant.

Under terms of the agreement, MinRes is providing all the capital required for the staged development project for graphite production – suitable for high value applications including lithium ion batteries – and Hazer has given MinRes access to the existing IP portfolio, as well as tech assistance and support.



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Image: Hazer Group Limited.

Hazer's pre-pilot plant.