

## HAZER COMPLETES CONSTRUCTION OF PRE-PILOT PLANT FACILITY

- **Construction of Hazer’s first non-laboratory plant is now complete**
- **This marks a key milestone in the scale-up and commercialisation of the Hazer process**
- **The facility will provide key information required to verify the final design of Hazer’s next stage of scale up**
- **Commissioning work currently underway for initial hydrogen and graphite production**

**PERTH, 21<sup>st</sup> MARCH 2027:** Hazer Group Limited (ASX: HZR) (“Hazer” or “the Company”) is pleased to announce that construction of the company’s pre-pilot facility is now complete, with commissioning work currently underway to achieve initial, hydrogen and graphite production at the newly built facility.

This marks an important milestone in the development of Hazer’s low cost, low emission hydrogen and graphite production process, and is the first step in the company’s transition from laboratory-based operations to a custom-designed and constructed plant.

This pre-pilot plant is significantly more advanced than current laboratory based equipment. The progressive operation of this system will also provide key information required to verify the final design for the next stage of scale up, expected to be a commercial scale prototype plant, with an equivalent scale as required for vehicle refueling solutions.

Images of the plant based at St Marys in Sydney can be seen below, along with a time-lapse video of the construction process.

Time Lapse Video of Construction – <https://vimeo.com/209161101>

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Hazer's Pre-Pilot Plant Facility



Venting Pipes

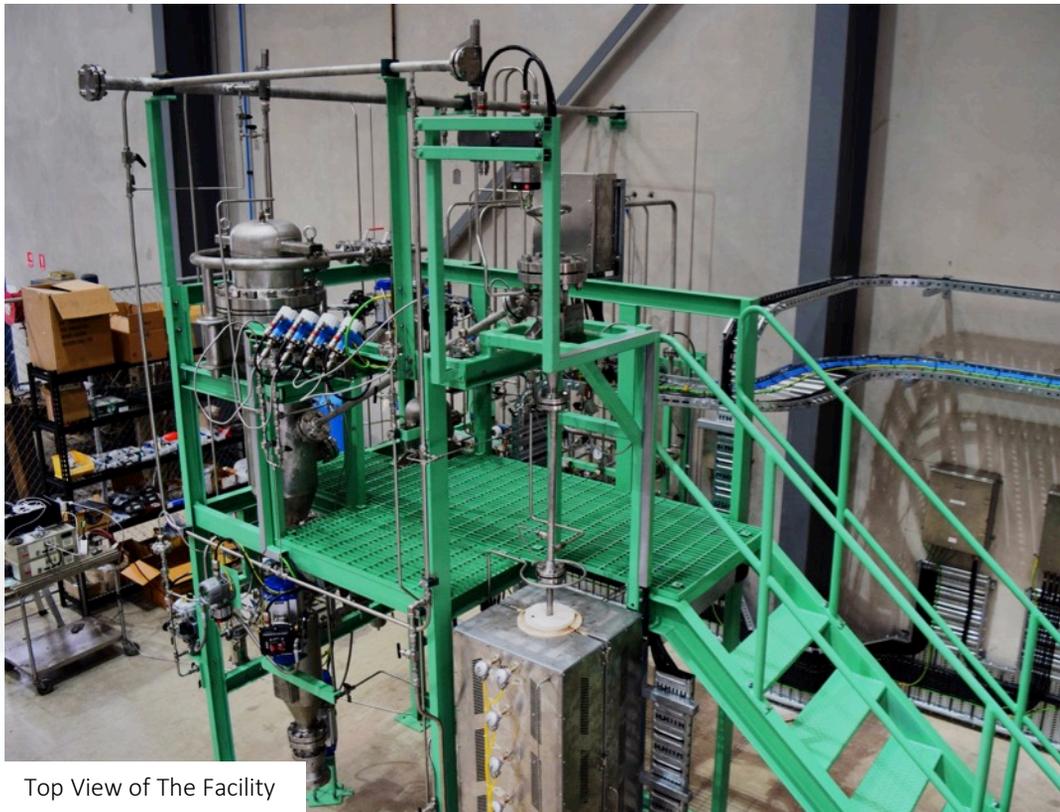


Nitrogen Tanks



LNG Tank

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Top View of The Facility



Recent Hazer Signage



Gas Manifold



Graphite Filter

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As described in the company's announcement to the ASX on 25<sup>th</sup> January 2017, the pre-pilot plant is designed to be versatile and to allow for multiple operating process methods across the full range of temperature and pressure conditions using an innovative modular design.

Initially established for semi-continuous operation at capacities exceeding the current lab-scale units, the core design is capable of capturing the graphite produced during operation without need for shutdown and graphite collection. Hazer intends to add additional modules over the coming year to further expand the range of operational modes. In the final mode of operation, the system is expected to be able to feed in fresh catalyst to provide a continuous operational mode, as well as capturing and purifying the hydrogen product for use in small-scale fuel cells.

The key improvements of the current facility compared to the previous laboratory based equipment are;

- Multiple processing methods of operation and operational flexibility
- High pressure, temperature and gas flow capability to allow for full system optimisation
- Upgraded graphite filter capture system to allow for greater extraction efficiency
- Capability to eject and capture graphite during operation
- Capability to inject catalyst into the system during operation (2<sup>nd</sup> phase of operation)

Hazer's technical team is currently working with Kemplant, Hazer's strategic chemical engineering partner on commissioning the pre-pilot plant. This will mark the first time the company has produced hydrogen and graphite at this scale.

Hazer expects to complete commissioning around the end of March 2017. At this time Hazer will provide further information around the ongoing operational phase and ongoing optimisation associated with this scale-up stage.

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#### **ABOUT HAZER GROUP LTD**

Hazer Group Limited ("Hazer" or "The Company") is an ASX-listed technology development company undertaking the commercialisation of the Hazer Process, a low-emission hydrogen and graphite production process. The Hazer Process enables the effective conversion of natural gas and similar feedstocks, into hydrogen and high quality graphite, using iron ore as a process catalyst.

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