

# Hazer Group Ltd

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## Hazer Group independent testing validates technology

Hazer Group Ltd (ASX:HZR) has had its proprietary Hazer Process successfully tested and validated in an independently designed and operated external Fluidized Bed Reactor (FBR).

The purpose of the independent testing was to obtain input from an FBR specialist on the operability and scale-ability of the Hazer process.

Also to provide a performance comparison Hazer's FBR, produce comparative bulk graphite samples, and assess alternative heating methods.

## READ: Hazer Group to move pilot plant to Mineral Resources site

Hazer's chief technical officer Dr Andrew Cornejo said: "Similar to the Hazer FBR Pilot plant, the external FBR did not experience any significant operating difficulties or issues with de-fluidisation or sintering using the Hazer process.

	External FBR rig	FBR Pilot Plant
	<i>Achieved</i>	<i>Achieved (ongoing)</i>
<b>Reactor size (diameter)</b>	<b>100 mm</b>	<b>75 mm</b>
Graphite - Nominal capacity	4.8 kg/d	29 kg/d
Graphite - Single run production	1.5 kg	12.4 kg
Graphite - Maximum purity	80% by wt	80% by wt
Hydrogen - Nominal capacity	~ 1.2 kg/d	~ 8 kg/d
Hydrogen - Maximum purity	Not tested <sup>^</sup>	49% by vol

<sup>^</sup>Estimate of average hydrogen concentration ~30%vol

## Hazer's FBR plant has 600% higher production rate

Dr Cornejo added: "We are encouraged by these results as they demonstrate we are on the right track with our own FBR design.

"Despite our own in-house FBR Pilot Plant reactor being physically smaller than the external FBR rig its nominal production rate was shown to be more than 600% higher.

"This demonstrates the progress of our technical team in developing the Hazer

**Price:** 0.48

**Market Cap:** \$65.4 m

### 1 Year Share Price Graph



### Share Information

**Code:** HZR

**Listing:** ASX

**52 week High Low**  
0.58 0.25

**Sector:** Exploration & Production

**Website:** www.hazergroup.com.au

### Company Synopsis:

Hazer Group Ltd (ASX:HZR) is commercialising the Hazer Process, a low cost graphite and hydrogen production technology. The company is listed on the Australian Securities Exchange. &nbsp;.

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proprietary process design."

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