



## Helium Business Unit

### Helium Business – China

Helios Energy Ltd (ASX Codes: HE8, HE8OA) (**Helios** or **Company**) is pleased to announce the commencement of a new helium business unit in China.

Through its wholly owned subsidiary, Helios Energy China Ltd, Helios has entered into a boil-off gas (**BOG**) helium extraction joint venture with Chinese domestic liquefied natural gas (**LNG**) company, Ordos Xingxing Energy Limited Company (**Ordos Xingxing**), located in Ordos City, Inner Mongolia, China.

Under the helium extraction joint venture agreement, Ordos Xingxing will provide all land, all BOG feed gas and all associated utilities for the helium extraction joint venture. Helios will construct at a cost of approximately US\$3.0m, a new, leading edge helium gas extraction module immediately adjacent to one of Ordos Xingxing's LNG plants located in Inner Mongolia, China.

As the operator and owner of the helium gas extraction plant, Helios will produce industrial grade liquid helium and own 100% of the liquid helium produced and sold. Helios expects the annual helium gas output from this dedicated module to be approximately 100,000 Nm<sup>3</sup> per year once the helium extraction module is running at full capacity. Helios will be one of the first companies to commercially extract material quantities of BOG helium in China, liquefy it and then sell it to domestic Chinese customers. Helios considers this helium extraction joint venture with Ordos Xingxing to be the first step in the development of its helium business unit. At full capacity from this dedicated module, Helios expects liquid helium sales to be approximately US\$3.1m per annum.

### Helium's Characteristics and Uses

Helium is a noble gas. Helium is rare on earth and unevenly distributed. Helium's physical characteristics determine its usage in many fields such as cryogenic superconductivity, cryogenic cooling, thermometry, leak detection, shielding gas, carrier gas and other uses.

ASX Code: HE8

#### Directors

Hui Ye  
Non-Executive Chairman  
Richard He  
Managing Director  
Robert Bearden  
Non-Executive Director  
Nicholas Ong  
Non-Executive Director  
John Palermo  
Company Secretary

#### Contact Details

##### Australian Office

Level 3, 18 Richardson Street  
West Perth WA 6005 Australia  
PO Box 1485 West Perth  
WA Australia 6872  
Tel +61 1300 291 195  
Fax +61 8 6298 6191

##### USA Office

3 Riverway, 17<sup>th</sup> Floor  
Suite 1750, Houston  
Texas USA 77056  
Tel +1 713 333 3613  
Fax +1 713 583 0965

[www.heliosenergyLtd.com](http://www.heliosenergyLtd.com)

For personal use only



Helios Energy Ltd

1 November 2021



### **Demand and Supply of Helium in China**

The USA is the world's largest helium customer and producer. China is the 2nd largest helium consumer and accounts for more than 10% of global demand for helium. Helium resources are scarce in China and approximately 95% of all helium used in China is imported.

Helios' use of unique and leading edge helium extraction and liquification technology provides a cost effective and reliable way to produce liquid helium. The joint venture with Ordos Xingxing aims to cheaply extract, liquify and profitably sell high quality helium to domestic Chinese customers.

For further information, please contact:

**Richard He**  
**Managing Director**

For personal use only