

## **Major Technology Milestone achieved with Ammonia Licensor (KBR) Appointed**

NeuRizer Limited (“NRZ” or “the Company”) advises that it has approved the appointment of top tier international company Kellogg Brown and Root (KBR) as ammonia licensor for the NeuRizer Urea Project (NRUP).

Under the Engineering, Procurement, Construction and Commissioning (EPCC) contract between NRZ and DL E&C Ltd (DL), NRZ has the right to approve the appointment and selection of the technology providers and DL has selected KBR as its ammonia licensor.

This is a significant milestone for NRZ as three technology/licensors are required for the project. The ISG technology owned by NRZ, the ammonia technology/licence with KBR now appointed and finally the urea technology/licence which is soon to be appointed. Now that KBR has been appointed the Basic Engineering Design (BED) can be used in the Front-End Engineering and Design (FEED) being undertaken by DL, and the final Bank Feasibility Study (BFS) leading to Final Investment Decision to be made by the NRZ board.

### **LCK Managing Director Phil Staveley commented:**

“DL E&C selection and NRZ approval of KBR is a significant step towards construction of the NRUP. KBR is a distinguished technology and engineering company that will provide high-quality advice and support that is needed for the Basic Engineering Design (BED) and post-BED services, as well as to supply the necessary equipment for the ammonia manufacturing plant. We look forward to working closely with them towards construction and making NRZ a flagship urea producer for the local and export agriculture markets.”

### **Requirement for a Licensor**

The NRUP ammonia and urea manufacturing facilities will be a complex plant requiring specialist engineering expertise. NRZ and its EPCC partner, South Korean conglomerate DL E&C Ltd (DL), have undertaken a search of appropriate ammonia licensor companies and selected KBR as the licensor for the project.

KBR will deliver the BED Package and Final Piping and Instrumentation Design for the NRUP, a critical requirement for DL to complete its commitment to provide a FEED package.

The selection strategy was based on:

- The highest daily ammonia production from a plant with a single converter;
- The ammonia licensors with highest numbers of plants of this capacity already built;
- The lowest CO<sub>2</sub> emissions;
- The lowest process water consumption;
- The safest plant;
- Approvals experience in highly regulated countries.

### Scope of Licensor work

KBR will provide the following Scope of Work to NRZ and DL for the ammonia component of the FEED:

- BED package and post-BED services;
- Supply proprietary equipment for the ammonia manufacturing plant;
- Operator training;
- Process control equipment; and
- KBR will act as Integrator of the other licensors BED and piping and present the whole package to DL.

### About KBR

KBR delivers science, technology and engineering solutions to governments and companies around the world. KBR employs approximately 28,000 people performing diverse, complex and mission critical roles in 34 countries.

KBR works with its customers across the globe to provide technology, value-added services, and long-term operations and maintenance services to ensure consistent delivery with predictable results.

More information on KBR can be found [here](#)

The Board of NeuRizer authorised this announcement to be given to the ASX.

### Further information:

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### [About NeuRizer](#)

NeuRizer (NRZ) is the company responsible for progressing the NeuRizer Urea Project (NRUP). NRUP is a nationally significant project that will deliver low-cost, high-quality nitrogen-based fertiliser ensuring a secure supply for local and export agriculture markets. Located in South Australia, 550 kilometres north of Adelaide, the NRUP will initially produce 1Mtpa of urea fertiliser with potential to increase to 2Mtpa.

NRZ is a certified carbon neutral organisation having been awarded Climate Active certification in March 2022 and is a signatory to the United Nations Global Compact. The NRUP is carbon neutral by design, and the decarbonisation pathway for the NRUP is embedded in the Front-End Engineering and Design (FEED) process to ensure that the NRUP achieves zero carbon operations from first operations in 2025.

The NRUP will significantly increase Australia's sovereign manufacturing capability for fertiliser supporting Australian agricultural food production. The NRUP will strengthen supply chain resilience that will benefit Australian farmers and, to a lesser extent, the industrial sector where urea is used as a supply input (eg. diesel additive (AdBlue), industrial resins, etc.) by reducing the nation's reliance on imports.

The NRUP will be one of the biggest infrastructure projects of its type in Australia, providing long term economic development and employment opportunities (2,250+ construction jobs plus 1,200+ ongoing positions) for the communities of the Upper Spencer Gulf region, northern Flinders Ranges and South Australia.

The NRUP will be the only fully integrated urea production facility in Australia, with all inputs (gas, power and CO<sub>2</sub>) for low carbon urea production on-site, meaning NRZ will control both supply and price of these major cost inputs, regardless of prevailing market conditions and supply chain dynamics.

