

Union has been awarded two new projects in South East Asia

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In the exotic region of South East Asia, Union Engineering is about to deliver and install two industrial gas CO₂ plants. The region is experiencing rapid economic growth, and the positive prospects are also having an impact on general consumption and thus the demand for carbon dioxide.

Leeden National Oxygen, Singapore

In Singapore, Leeden National Oxygen Ltd. has ordered another Union CO₂ plant. The new project is a recovery plant capable of processing 31,000 tonnes of feed gas per year from the next door Neste Oil operated refinery.

The CO₂ gas will be purified and liquefied to meet the highest standards.

A CO₂-rich side stream becomes a valuable raw material

In addition, the new CO₂ recovery plant will improve the refinery's resource efficiency as a CO₂-rich side stream becomes a valuable raw material for Leeden National Oxygen Ltd.

With this new project, Leeden National Oxygen Ltd. will improve their position as one of the most important suppliers of CO₂ in the region.

Mr. Gary Choo, Executive Director of Leeden National Oxygen, is looking forward to the increased amount of purified CO₂ and explains: "Purification of CO₂ from the refinery offers the advantage of a decrease in carbon footprint, as the CO₂ is not just vented to the atmosphere, and at the same time improves our position as an important supplier of carbon dioxide in the market. It is extremely important for us to choose a reliable supplier of the CO₂ technology, and we know from previous cooperation that Union Engineering is capable of delivering a sustainable and available solution."

The CO₂ plant is expected to be completed and fully operational by the fourth quarter of 2015.



Petro Oxo Nusantara, Java

Petro Oxo Nusantara (PON) is also a well-known customer of Union. In 2013, Union commissioned a 48 TPD extraction plant. PON has now decided to expand its capacity with another 100 TPD extraction and liquefaction plant.

The new CO₂ plant will be located next to the existing Union CO₂ plant and will supply liquid food-grade CO₂ that meets the highest food grade standards.

Confidence in technology

PON's expectations to the new plant are high, and the CEO states as follows about their choice of supplier: "Union has proved to be very reliable, and we have had good experience with both installation and commissioning being carried out in a timely fashion. Operation of our current plant has been very smooth and we look forward to the new plant."

Another important factor for our decision was that we are familiar with the operations and have developed confidence in Union's technology." For PON, aspects such as food safety and delivery times are the main focus areas. "As the CO₂ is meant for sales, product quality and reliability of supply are of utmost importance, and we can trust Union to deliver on both fronts".

The project is expected to be in operation by Q3 2015.

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