Integrated NGL and LNG – LNGL™

Experience
The integrated NGL and LNG technology (LNGL™) uses proven design concepts to provide Liquified Natural Gas (LNG) production in existing and new Natural Gas Liquids (NGL) recovery plants. The application of the LNGL™ utilizes the Linde worldwide experience of the entire LNG value chain.

Advantages
LNGL™ can be used with a variety of NGL recovery technologies including: CRYO-PLUS™, GSP, and RSV. Compared to a stand-alone LNG plant, the integrated LNGL™ provides the following benefits:

- No impact on the NGL recovery plant
- Maintains ethane and propane recovery
- Less capital expenditure
- High efficiency process
- Less overall energy consumption

Technology
This concept utilizes the heat integration of the NGL plant by taking a portion of the cold vapor stream from the recovery column thus improving the efficiency of the LNG unit.

Key features of this technology offering include:

- Cold vapor feed to the LNGL™ unit
- Minimum tie-ins required for existing units
- Uses standard refrigeration technology
- Refrigeration options include no hydrocarbon storage
- Compact rotating equipment design

Additional LNGL™ options include:

- Integrated solution for combining the plate-fin heat exchangers
- Integrated solution utilizing the existing plant compression