LIQUEFICATION PROCESS SELECTION

CHIYODA Small-Scale LNG can apply either single mixed refrigerant or the CHIYODA Advanced N₂ Cycle to its liquefaction process to maximize project economics.

Single Mixed Refrigerant Process

- Single mixed refrigerant (SMR) contributes to efficient and adaptable operation appropriate for base load production,
  - Higher Energy Efficiency Achieved by Mixed Refrigerant
  - Flexibility in Operation
  - Low CAPEX with Cold Box Application and Minimum Equipment
  - Suitable for On-Shore / Off-Shore Application

CHIYODA Advanced N₂ Cycle

CHIYODA Advanced N₂ Cycle offers simple and efficient operation suitable for compact plant with production under 0.3 MTPA.
- Simpler and Faster Start-up
- Readily Available Refrigerant
- Inherently Safe Plant
- Approximate 10% improvement in Energy Efficiency Compared to Generic N₂ cycles
- Suitable for On-Shore / Off-Shore Application

SMALL-SCALE GAS & LNG VALUE CHAIN DEVELOPMENT WITH CHIYODA GROUP

CHIYODA group provides full support to clients for the entire LNG business value chain - upstream field development, LNG plant, LNG receiving terminals, regasification and power generation facilities.