NuCryo µSMR
High-Efficiency Micro-Scale LNG Liquefaction

NuCryo's inaugural innovation is the µSMR (micro-scale Single Mixed Refrigerant) liquefaction system — a compact, modular platform engineered for remote, distributed, or space-constrained applications. The µSMR delivers up to 3X higher efficiency and 2X the LNG output of competing micro-scale technologies, all at a competitive CAPEX and OPEX.

- LNG Production Capacity: 25 Ton/day per unit
- LNG Production Specification: -260 F (-162 C) @ 15 psig (1 Barg)
- Rated production for Ambient Temperature up to 100 F (38 C)
- Liquefaction Feed Gas Pressure: 950 psig (65 Barg)
  (inlet boost compressor is required if feed gas pressures are <950psig)
- Unit Size: 2 Fully integrated Modules
- Automation: Fully Automated w/ onboard PLC
- Liquefaction Specific Power: <450 KW-hr/tonne





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NuBlu Energy and Crosstrails, two leading engineering, project development, procurement, and construction (EPC) firms with proven expertise in cryogenic liquefied natural gas (LNG) projects, has formed of a groundbreaking joint venture, NuCryo (www.NuCryo.com). This strategic partnership will focus on developing and deploying micro- and small-scale LNG technologies to support the world's shift toward cleaner, more reliable energy sources.