Why Turbofin™?

Your bottom line
Turbofin™ provides the optimal Total Cost of Ownership for small scale applications (50 to 200 ktpa).

Flexibility
Benefit from smooth nitrogen cycle operation, guaranteed by:
• Proven and reliable machinery with low maintenance
• Single component, non-flammable and widely available gaseous refrigerant
• Large turndown range and fast start-up and shutdown.

Streamlined permitting
Turbofin™ makes siting and permitting easy with its standard Nitrogen cycle.

Brought to you by the leader in cryogenics
Air Liquide’s cryogenic technologies have been at the heart of the company for more than 110 years, including 50+ years of experience in LNG (pioneering base load in Algeria).

We offer:
• Operational know how, through vast experience our company has with 400 large scale plants.
• A full range of cryogenic expertise from design and manufacturing of the equipment to start-up and operation.
• Unique manufacturing competencies through our own world class manufacturing centers for lean cold boxes fabrication.
• Global sourcing capabilities, including purchasing, quality management, logistics.
• A complete range of services throughout the lifetime of the plant: spare parts, site services, production support, engineering services and long-term services agreements.
Standardized plants

**Standard design**
Off-the-shelf to minimize cost and delivery time

**Fully packaged**
Optimized logistics and plug-and-play installation

**Lean project execution**
Supply chain, manufacturing and factory acceptance tests are performed at Air Liquide workshops, securing schedule and quality.

Designed with competitive edge technology

**Cold Box**
In-house design and manufacturing of the cold box and the brazed aluminium heat exchanger with full spectrum of competencies

**Machines**
Best machine frames optimization between pressures and cycle flows

**Integration**
Leveraging all possible synergies with the site environment, infrastructure and off-take

**References**
Number one in LNG peak shaving applications in the Americas

Contact us
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Air Liquide capabilities

Typical small scale LNG unit using Turbofin™

Standard 150 ktpa Turbofin™ liquefaction plant