

LINEX Series

Natural Gas Liquefier Systems



Product Information



LINEX Series Natural Gas Liquefiers

Cosmodyne's LINEX Natural Gas Liquefaction packages utilize robust, industry standard components that can be customized to a client's specific site requirements. Our typical size packages range from 30 TPD to 500 TPD. For larger projects or specific situations, mixed refrigerant or expander based liquefaction packages are also available.

Cosmodyne can supply the entire process package including gas conditioning and pretreatment, hydrocarbon separation, liquefaction, storage and loading. The system will also include Cosmodyne's state-of-the-art, operator friendly controls package including HMI.



Applications

Peak Shaving

Leader in peak shaving solutions for the North American Market, Cosmodyne has supplied complete systems including gas treatment, liquefaction, storage, in-tank send-out pumps and send-out vaporization all under a single process and plant guarantee.

Merchant LNG Distribution Systems

Cosmodyne can provide its clients with a one-stop package for a merchant LNG facility including gas treatment, liquefaction, storage and truck loading systems. Additionally, we can also supply modular unloading and regasification skids for our client's use points.

Flare / Stranded Gas Monetization

Solutions for a wide range of gas volumes and compositions to economically produce a usable energy product for a local market.

BOG

Highly efficient modular boil off gas management systems for land based (terminal) and marine applications.

Experience

Customer	Location	Capacity (TPD)
Confidential Peakshaver	Northeast, USA	205
Confidential Peakshaver	Northeast, USA	123
UGI Energy Services	Mehoopany, PA	250
New Jersey Natural Gas	Howell, NJ	205
JAX LNG	Jacksonville, FL	205
South Jersey Gas	McKee City, NJ	102
Ferus	Elmworth, AB	85
Eagle LNG (Ferus)	Jacksonville, FL	155
Clean Energy Fuels	Boron, CA	155
Clean Energy Fuels	Boron, CA	155
Eversource Energy	Hopkinton, MA	460
Clean Energy Fuels	Boron, CA	155
Ferus	Edmonton, AS	170
Confidential Peakshaver	Northeast, USA	205
Confidential Peakshaver	Northeast, USA	205
Confidential Peakshaver	Northeast, USA	85
Confidential Peakshaver	Midwest, USA	155
Confidential Peakshaver	Midwest, USA	155

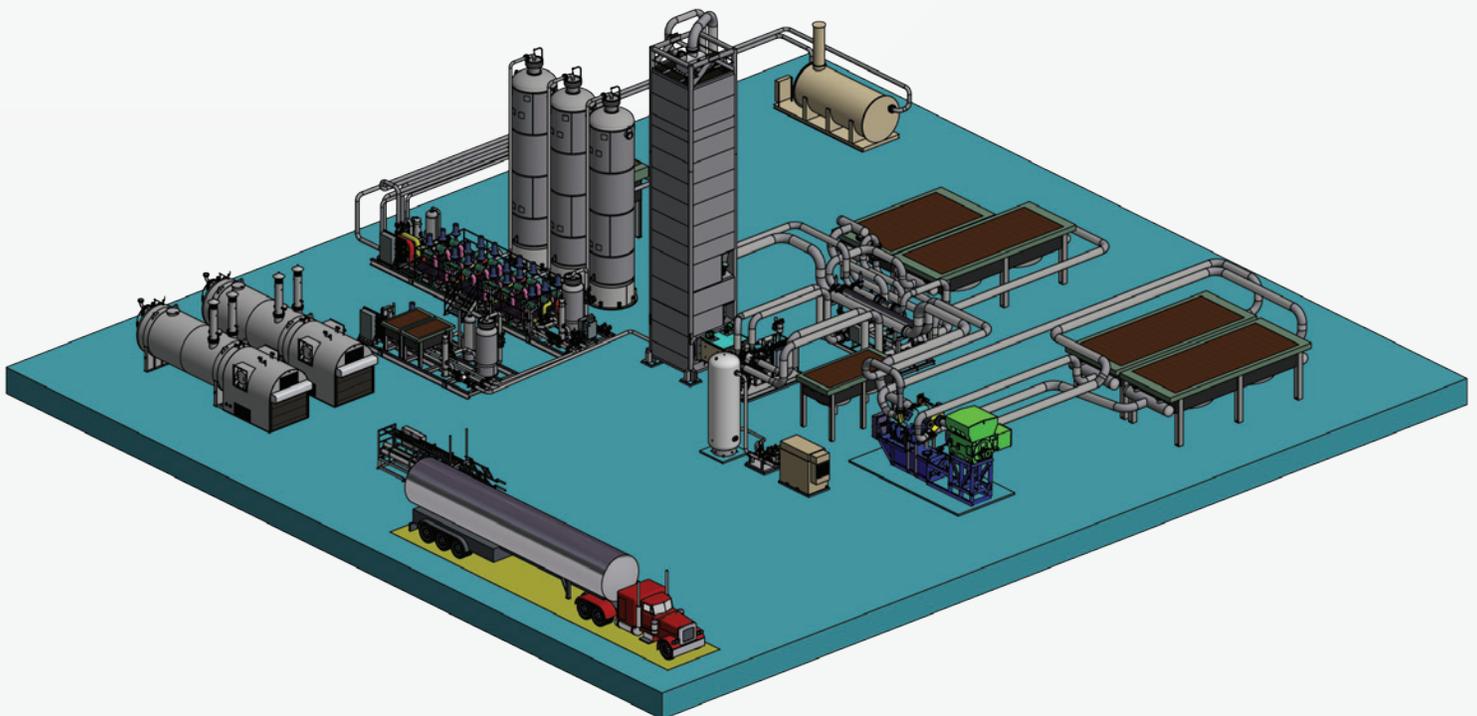
Cosmodyne Competence for LNG Supply Chain

Major Components	Liquefaction	Transportation	Distribution
Pre-Treatment System	●		
Nat. Gas Liquefier	●		
Storage Tanks	●		●
Trailer Loading	●		●
Trailer Unloading		●	●
Ship Loading	●		●
Ship Unloading		●	●
Fuel Supply System		●	
Vaporizers			●
Send out Pump System			●
Virtual Pipeline			●
BOG Management	●		●
Cryogenic Piping	●		●
Balance of Plant Equipment	●		●
Overall Process Guarantee	●	●	●
Balance of Plant/Installation	●	●	●
Commissioning/Installation Supervision	●	●	●
Maintenance Plans	●	●	●

● Supplied by Cosmodyne ● Supplied by key partners

Highlights

- In-house expertise to optimize your system that meets your targets
- OPEX savings from proportional turndown efficiency (up to 65% efficient turndown)
- Expandable modules to economically grow with your market
- LNG temperature control to reduce tank boil-off
- Simple and rapid return to service after shutdown
- Minimal operator training and education requirements
- Automatic efficiency boost when ambient temperatures fall
- Operation easily adapts to changing feed gas composition and/or ambient conditions
- Easily permittable with environmentally friendly and safe nitrogen refrigerant
- Experience with standards across all LNG markets internationally including FERC 193 and NFPA 59A
- Simple, cost-effective standard and customized solutions for any size



About Cosmodyne

Cosmodyne is a leading manufacturer of cryogenic plants with more than 450 placed in operation around the globe. For more than 60 years, Cosmodyne has designed, engineered and fabricated hundreds of facilities that utilize its efficient and reliable nitrogen recycle refrigeration technology. Cosmodyne's LINEX Natural Gas Liquefaction packages utilize robust, industry standard components that can be customized to a client's specific site requirements. Our typical size packages range from 30 TPD to 500 TPD. For larger projects or specific situations, mixed refrigerant packages are also available.



Cosmodyne, LLC
3010 Old Ranch Parkway, Ste. 300
Seal Beach, CA 90740
USA

Tel: +1.562.795.5990
Fax: +1.562.795.5998
sales@cosmodyne.com
www.cosmodyne.com