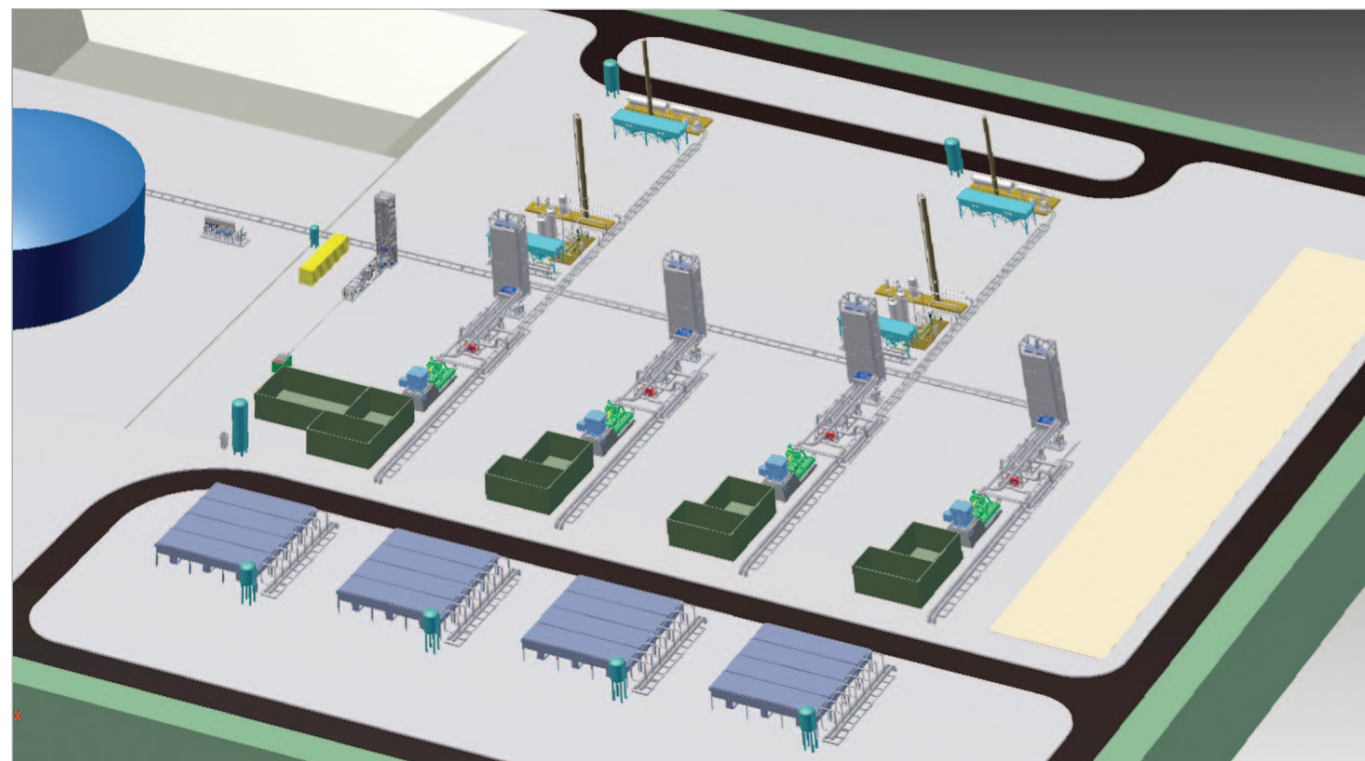




### About Cosmodyne

Cosmodyne is a leading manufacturer of cryogenic plants with more than 450 placed in operation around the globe since 1977. Cosmodyne natural gas liquefiers produce LNG as alternate fuel for high horsepower marine, rail, mining, trucking, and oilfield applications, virtual pipeline markets, and utility peak shaving. Cosmodyne air separation plants produce liquid and gaseous oxygen, nitrogen and argon. Cosmodyne is part of the Cryogenic Industries Inc. family of companies which include ACD LLC and Cryoquip LLC. For more information, visit [www.cosmodyne.com](http://www.cosmodyne.com).



Cosmodyne LINEX Plants Easily Scale with the Market

## Cosmodyne LINEX Series Natural Gas Liquefiers

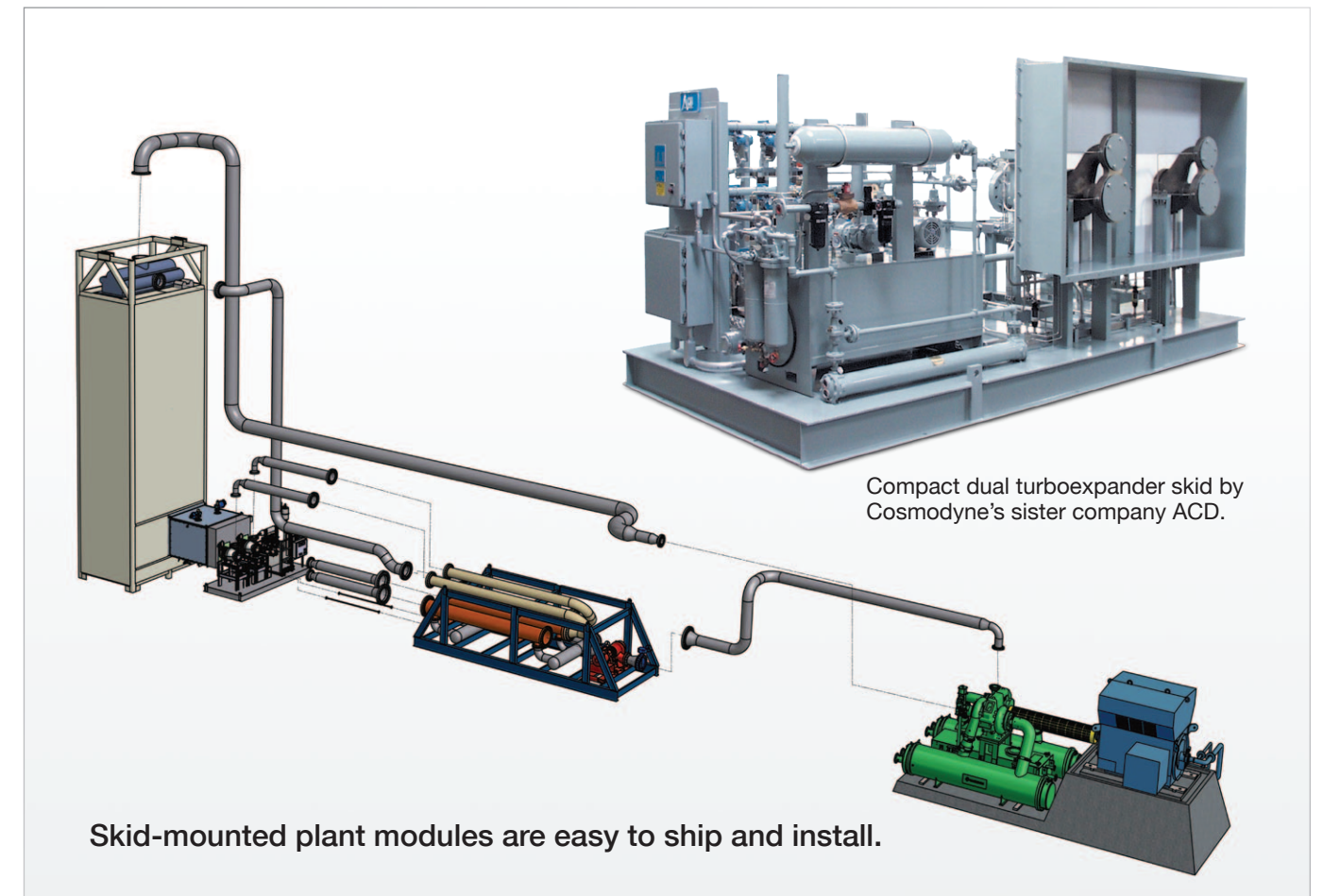
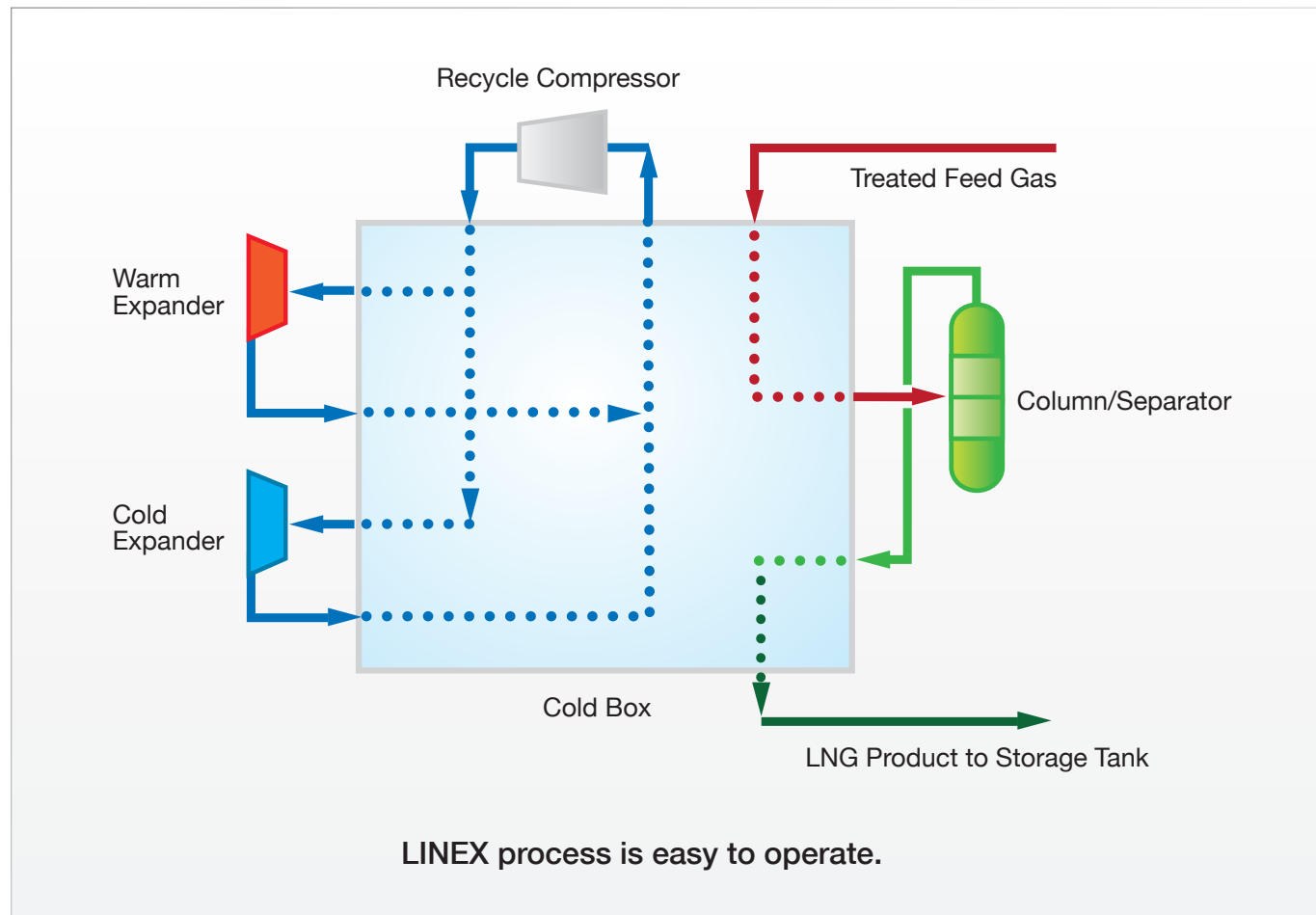


### SIMPLE. RELIABLE. AFFORDABLE.

Cosmodyne LINEX series natural gas liquefiers set the standard for reliability, simplicity, and value. The safe, proven and environmentally-friendly nitrogen expansion cycle delivers unmatched operating flexibility to respond to changing production demands. The innovative and proven technology delivers excellent performance at the lowest cost per gallon. Each plant is a modularized skid-mounted system that is manufactured at Cosmodyne's US factory for standard over-the-road shipping and easy installation.

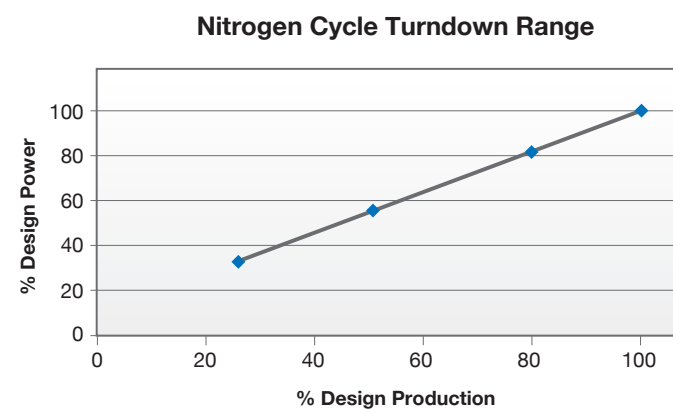
### Applications

Cosmodyne LINEX systems are ideally designed for the new high horsepower users of LNG in the rail, marine, mining, trucking, and oilfield markets. Traditional users such as utility peak shaving, power generation, virtual pipelines, and commercial/industrial operations are also excellent fits for LINEX technology.



## IS A COSMODYNE LINEX PLANT RIGHT FOR YOU?

- CAPEX savings with lower cost non-hydrocarbon compressors and expanders
- OPEX savings from proportional turndown efficiency (up to 65% efficient turndown)
- Expandable for growing with the market
- Easier permitting & better environmental footprint due to no hydrocarbon emissions from refrigerant loop
- Inherent safety with inert, nonpolluting, corrosion-free nitrogen refrigerant
- LNG temperature control to eliminate tank boil-off gas
- Elimination of cost and complexity of storing, mixing and managing mixed hydrocarbons
- Simple and rapid return to service after shutdown
- Reduced operator training and education requirements
- Automatic efficiency boost when ambient temperatures fall
- Operation easily adapts to changing feed gas composition



Cosmodyne offers a complete series of solutions that are sized for typical customer requirements and market situations. We can also economically tailor the systems to meet other capacity requirements in addition to standard sizes. The LINEX line uses an efficient closed-loop nitrogen refrigeration cycle for customer requirements. The LINEX-OL line utilizes open-loop liquid nitrogen for a low CAPEX, quick-to-market, small plant solution.

Model	GPD	MTD	MMSCFD
LINEX-OL	5,000 to 50,000	less than 85	less than 4.2
LINEX-60	60,000	100	5.0
LINEX-100	100,000	170	8.4
LINEX-250	250,000	425	20.9
LINEX-350	350,000	595	29.3

## Optional Features

- Cooling Systems (Evaporative, Closed-Loop or Gas-to-Air)
- Feed Gas Pretreatment (Water, Carbon Dioxide, Others)
- Turbine Drivers (Gas Turbine, Engine-Generator)
- LNG Specification Matching
- Gas Stream Product Separation
- Trailer Loading Stations
- Many More Tailored to Customer Requirements