



simplifying LNG LIQUEFACTION



NORTHSTAR INDUSTRIES DOUBLE EXPANDER N2 LIQUEFACTION

MODULAR

Pre-constructed in our factory shop and delivered to the construction site.

COST EFFECTIVE

A modular, packaged, fixed sizing solution with a big return on investment.

DEPENDABLE

Developed with simplicity in mind to minimize points of failure and maximize efficiency.

SCALABLE

One size does not fill all – This system scales to your specific plant needs.

INTRODUCING A BETTER LIQUEFACTION SYSTEM

Northstar Industries is pleased to offer its premanufactured, modular solution to the natural gas industry – a Natural Gas Pre-Treatment Double Expander N2 Cycle Liquefaction System.

Field construction costs become less of a variable as our modular pre-manufactured liquefaction system improves efficiency and cost control. The system has also been pre-engineered and developed to meet any plant production requirement.

The Double Expander N2 Cycle Liquefaction System provides plant operators with a decrease in overall start-up and commissioning time and will also lower overall plant costs.

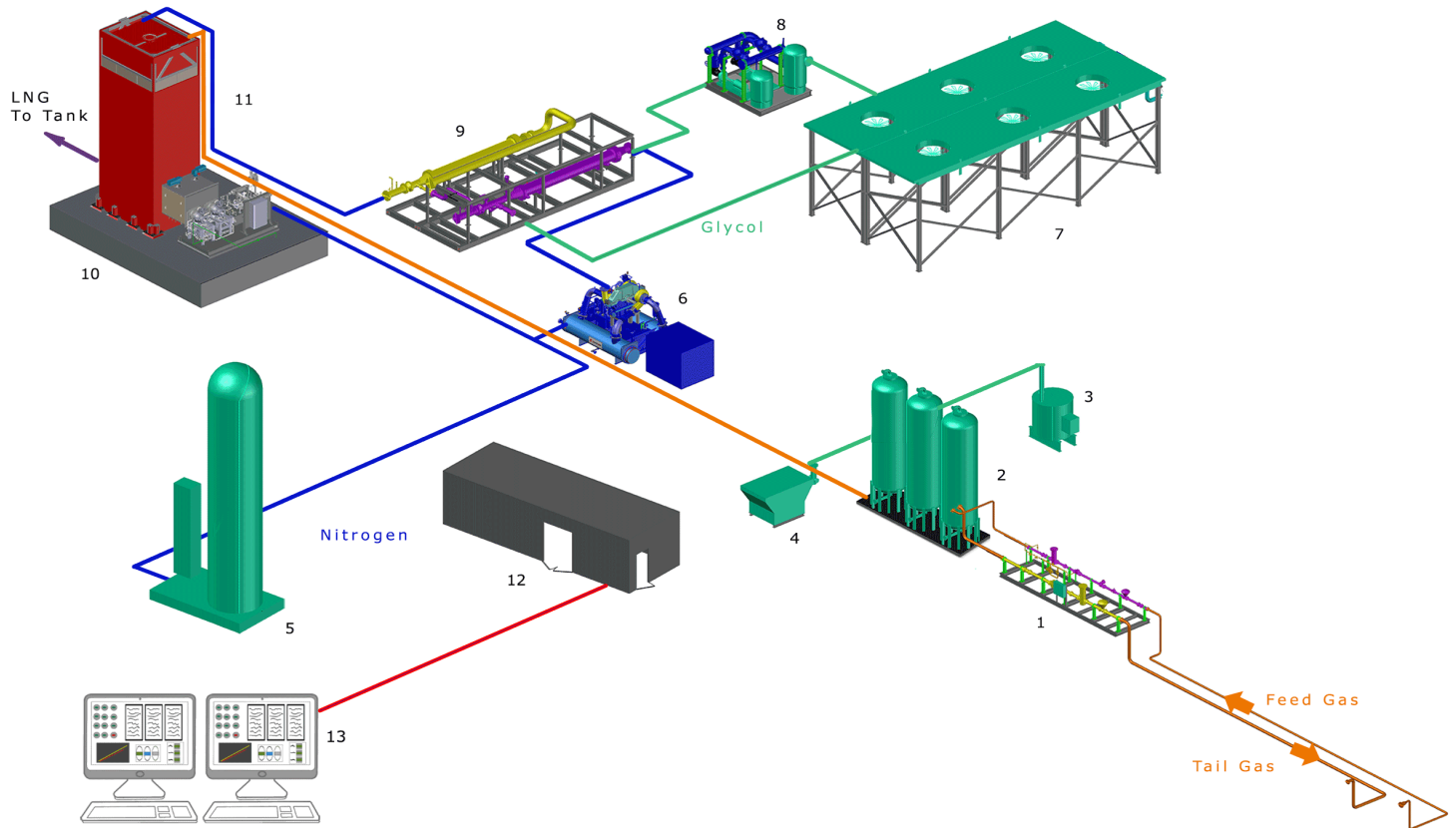
With only 11 skids and an optional EGM/Motor Control Center, this system offers a minimalistic advantage that increases ROI. See *the included isometric drawing*.

Budgetary quotes may be provided site unseen – contact us to learn more.



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Double Expander N2 Cycle Liquefaction



KEY

1. Gas Meter Skid
2. Three Mol Sieve Vessels and Valve Skid
3. Regeneration Gas Heater Skid
4. Tail Gas Cooling Skid
5. LN2 Tank
6. N2 Compressor Skid
7. Fan Coil Skid(s)
8. Water Glycol Pump Skid
9. Aftercooler Heat Exchangers Skid
10. LN2 Turbo Compressor/Expander Skid
11. Coldbox
12. Motor Control/EGM Building
13. Human Machine Interface: Redundant Computers, Screens, Programming, Communications