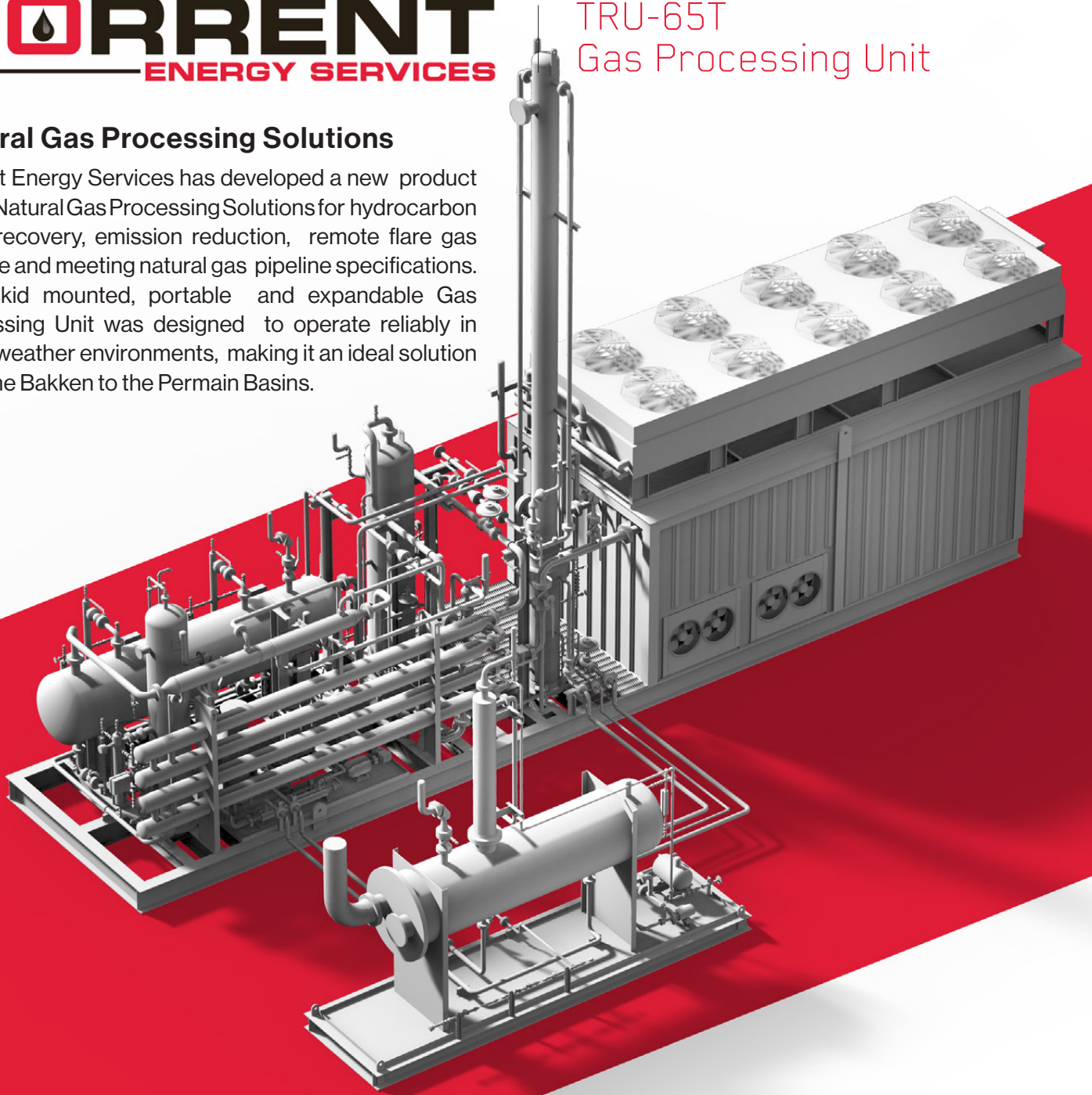


Natural Gas Processing Solutions

Torrent Energy Services has developed a new product line of Natural Gas Processing Solutions for hydrocarbon liquid recovery, emission reduction, remote flare gas capture and meeting natural gas pipeline specifications. This skid mounted, portable and expandable Gas Processing Unit was designed to operate reliably in harsh weather environments, making it an ideal solution from the Bakken to the Permian Basins.



The TRU-65T Mechanical Refrigeration Unit is designed to process up to 4 MMSCFD (4.719 Nm³/hr) of natural gas and up to 450 bbl/d of natural gas liquids. The MRU was designed to recover up to 75% of the propane and heavier components from the inlet gas stream. These natural gas liquids are stabilized on skid to meet the 225 psig (15,5 barg) TVP specifications required for transportation. This Processing Solution comes complete with Mechanical Refrigeration Package, Direct Fired Process Heater and all Process Controls required to operate the Gas Processing, NGL Stabilization and Glycol Regeneration equipment.

For Gas Processing Solutions:
sales@torrentenergyservices.com
1-800-421-2811





TRU-65T Gas Processing Unit

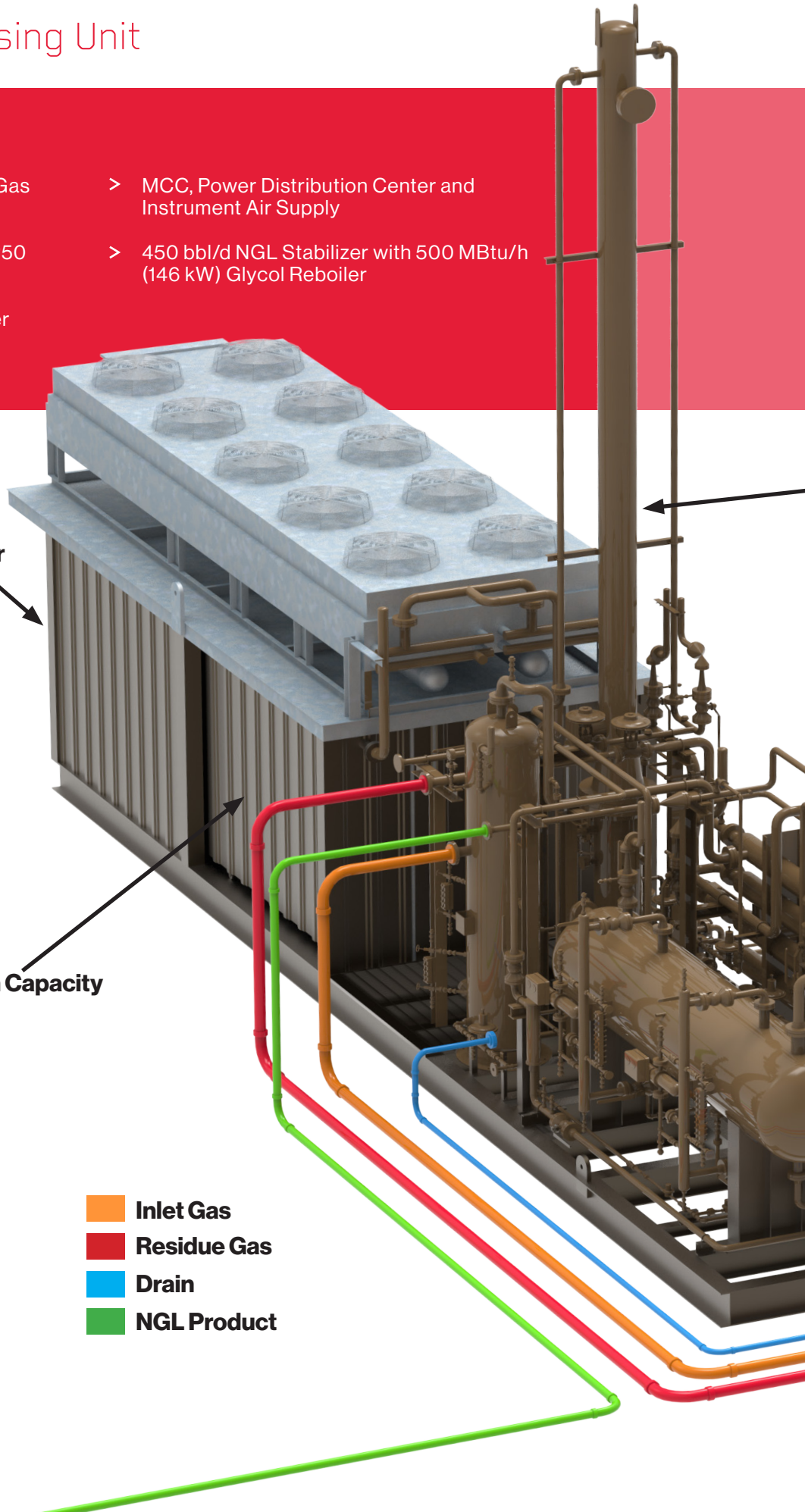
Includes

- > Up to 4 MMSCFD (4.719 Nm³/hr) Gas Processing Capacity
- > 65 Tons Refrigeration Capacity (250 BHP Refrigeration Compression)
- > Integrated Shell & Tube Exchanger Bank
- > MCC, Power Distribution Center and Instrument Air Supply
- > 450 bbl/d NGL Stabilizer with 500 MBtu/h (146 kW) Glycol Reboiler

**MCC, Power Distribution Center
and Instrument Air Supply**

65 Tons Refrigeration Capacity

-  **Inlet Gas**
-  **Residue Gas**
-  **Drain**
-  **NGL Product**



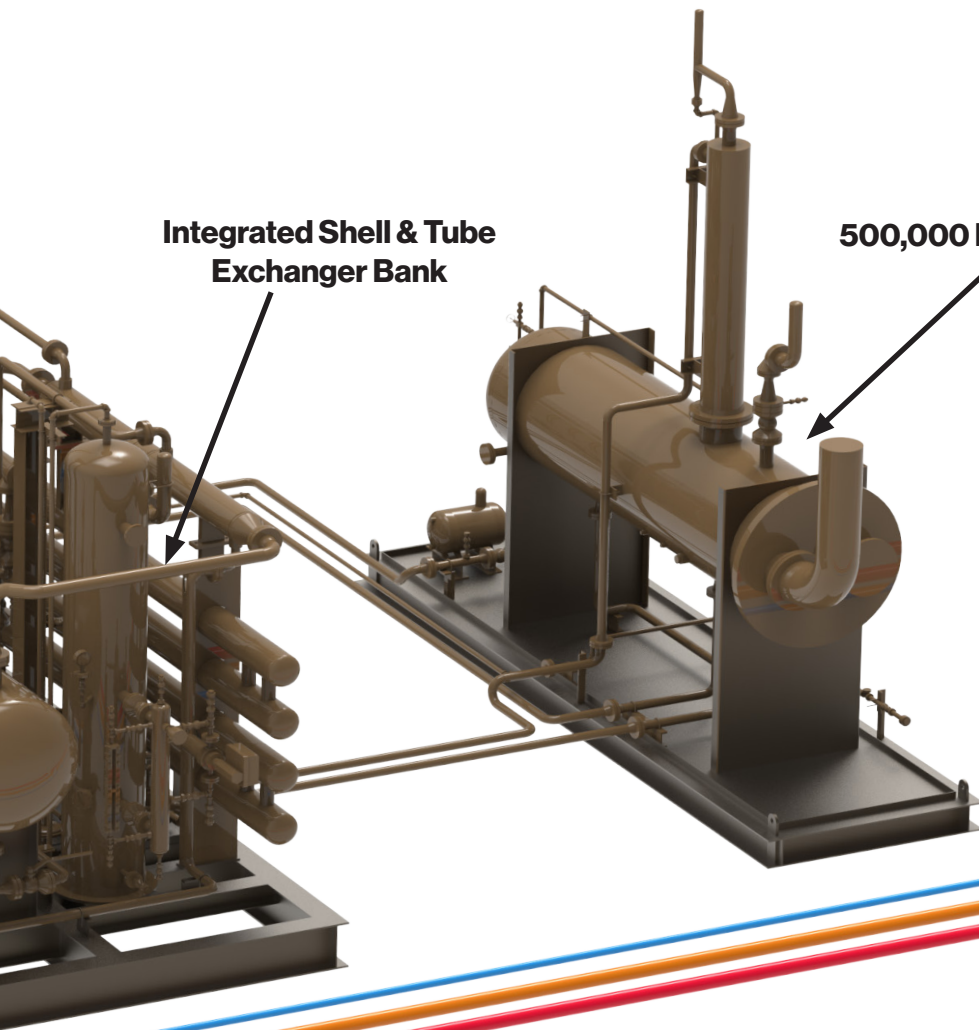
450 bbl/d NGL Stabilizer

Integrated Shell & Tube
Exchanger Bank

500,000 Btu/h (146 kW) Glycol Reboiler

Outlet gas could be used for:

- Residue Quality Gas for Pipeline
- Downstream CNG/LNG Production
- Fuel Gas Consumption
 - Compression
 - Generators
 - Turbines



UNIT SPECIFICATIONS

TRU-65T Gas Processing Unit

Model	TRU-65T (65 Ton Unit)
Applications	NGL Recovery, Fuel Gas Conditioning, HCDPC
Design Basis	Nominal 4 MMSCFD (4.719 Nm ³ /hr) Inlet Gas Capacity (Varies based on composition)
MAWP	660 psig (45,5 barg)
Process Design Temp	-20°F (-29°C)
Refrigeration HP	250 HP (186 kW) (Electric Drive)
Refrigeration	Freon (R-507A)
NGL Stabilizer Tower	Cold Feed
Major Components	<ul style="list-style-type: none"> • Free Water Knockout • Gas/Liquid Separator • Liquid/Glycol separator • Gas/Gas Exchanger • Gas/Refrigerant Exchanger • Cold Feed Stabilizer Column • NGL Cooler • EG Heater
Instrumentation	Refrigeration: PLC control on compressor unit with capacity control, safety controls, chiller controlled by superheat controller, suction scrubber with oil siphon and heat exchange type economizer.
	Heater: Fuel train with single shutoff valve, temp control and high temp shutdown, and flame failure/pilot prover circuit/shutdown, fuel gas regulation.
	Process: Locally mounted pneumatic level controls, pressure controls and temperature controls. <i>Instrument air is used for instrument operation.</i>
	Pumps: (1) EG circulation pump, (1) EG injection.
Electrical Service	480V / 3ph / 60 Hz
Amps (Start / Run)	485 / 400
Power (Generator)	235 kW/294 kVA
Dimensions (L x W x H)	MRU Skid: 50' x 10' x 30' (15,2 x 3,05 x 9,14 m) Heater Skid: 18' x 5' x 16'-8" (5,5 x 1,5 x 5,1 m)
Weight	MRU Skid: 61,500 lbs (27,9 MT) Heater Skid: 15,000 lbs (6,8 MT)