Challenge:
To develop industry leading equipment for loading liquid natural gas (LNG) into transport trailers and rail cars tailored for Chart’s Energy & Chemical small to mid-scale liquefaction facilities as well as commercial markets using large to micro-scale liquefaction operations.

Solution:
Chart modular skidded assemblies that are purpose built to allow for safe, efficient and cost effective LNG loadout operations. Assembling per Customer and site specific requirements results in the most cost effective and tailored solution available in the industry.

Based on over 40 years of experience engineering and manufacturing LNG equipment, our integrated systems will help build your success in the market. Pre-engineered and USA factory built modules are designed for simple installation and safe operation. Customized design, project management, commissioning support, service contracts and on-site training are available upon request. Let Chart put the pieces together for your operations.

No single company in the world delivers as broad a range of natural gas related solutions as Chart Industries. From natural gas separation, purification and liquefaction to the distribution, storage and dispensing of LNG, Chart is there with highly engineered equipment and systems.

Our mission is to leverage our scale, scope and expertise to deliver high-quality, reliable, environmentally friendly products and services at lower cost.
**LNG LOADOUTS**

**TRUCK & RAIL LOADOUT SKIDS**

**Pump Skid:**
- Single or Dual Pump arrangement
- Submersed or Ground Mounted Pump(s) sized for application requirements
- Integrated Pressure Building Circuit(s) for bulk storage tank(s)
- Outlet Orifice Plate Flow Meter(s)
- Automated Control Valves to support multiple loadout skids and locations

**Truck/Rail Loadout Skid:**
- Single or Dual Bay Loadout
- Up to 330 GPM Transfer Rate
- Flow Meter(s) Ready
  - Liquid Coriolis or FlowCom™
  - Gas/Vapor Return Orifice Plate
  - GN2 Transfer Hose Purge System
  - Emergency Shut-off Pendant(s)
  - Scully Groundhog™ Grounding System
  - Transfer Hose Assist Arm(s)
  - Optional Mann-Tek® Breakaway(s) and Dry Disconnect Couplings

**Control Room Skid:**
- Pre-Wired ISO container – Plug & Play Design
- Insulated and Environmentally Controlled
- PLC and Power Panel(s)
- Pre-Programmed PLC & HMI(s)
- Desks and Integrated Lighting
- Scale Interface Ready
- Driver HMI(s) and Ticket Printer(s)

**Common Design Elements:**
- Frame/ISO Design
- Metal Grating Bases
- Remote I/O Control Junction Boxes
- Instrument Air Regulation Panels
- Pre-Insulated Piping
- “Drop’n’Go” Ready!
- Pre-Wired using Elevated Cable Trays and Quick Connects on Instruments
- Made in the USA 🇺🇸

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30’ Dual Submersed Pump Skid

20’ Dual Bay Trailer Loadout Skid

20’ ISO Container Control Room

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