SUSPENDED ALUMINIUM LNG DECKS
LIGHTWEIGHT ALTERNATIVE TO WELDED NICKEL DECKS

Suspended Aluminium LNG Decks can be customized to fit nearly all types of cryogenic storage needs with a variety of options and specifications. Its unique design ensures an insulation deck and method of construction that provides a lightweight alternative to welded nickel steel. This makes our decks the most efficient, reliable, and cost effective choice for liquefied natural gas.

The Economic Advantage
The design, utilizing unique lock-groove connections and lightweight aluminium components, eliminates the need for field welding and facilitates a safe, reliable installation in a fraction of the time. Our hi-strength aluminium alloys easily supports various insulation materials and job-specific design loads.

Design
As with all our solutions, we utilize an extruded beam interconnected to gusset plates, attached with mechanical fasteners which eliminates the need to torque nuts and bolts. Each panel is independently fastened with an interlocking batten bar system.

Solutions
- All aluminium components
- Unique pneumatic fastening systems eliminates need for on-site welding
- Lightweight for ease of assembly
- Reduces need for heavy equipment
- Safe, efficient on-site construction
- Excellent strength-to-weight ratio
- Material remains ductile as required in cryogenic temperatures
SUSPENDED ALUMINIUM LNG DECKS

The Quality Advantages
CTS has an unparalleled reputation for quality products and services:
• Extensive experience designing, fabricating and installing aluminium cover systems
• In service since 2005
• Installed for several reputable international customers
• CTS is ISO 9001:2008 and SHE (VCA**) certified

LNG Deck Installation Photos

Typical Vent. Nozzle Penetrations. Typical Hanger Assembly.


All our product information and specifications are drafted with care but can be subject to change.
We reserve the right to change product specifications.