

# THE AMALPHI STANDARD

REDEFINING CRYOGENIC STORAGE PERFORMANCE



## TRIPLE-STRENGTH VESSEL (9mm vs 3mm)

Market standard inner vessels are just 3 mm thick. AMALPHI uses a **9 mm** stainless steel inner vessel. This 300% increase in structural mass provides unmatched resistance to pressure fatigue and vacuum stress.



## PASSIVE THERMAL MASTERY (+50°C RESILIENCE)

Zero active cooling required. Validated to maintain insulation at **+50°C ambient heat** for a minimum of **85 days** with zero leakage. Beyond 85 days, the tank continues to hold for **186+ days** with a marginal loss of only 1%.



## UNLIMITED SERVICE LIFESPAN

Unlike competitor tanks with finite operational cycles, AMALPHI tanks utilize S355NL2 Low Alloy Steel (10 mm outer shell) and superior welding. They are engineered as permanent assets with **no limited lifespan**.



## MODULAR ENERGY INFRASTRUCTURE

Plug-and-play capability. Multiple vessels can be interconnected to form '**Vessel Farms**', creating instant power plants (0.5 – 5 MW) for remote areas, islands, or off-grid industrial sites without pipelines.

DESIGN PRESSURE: 0.76 MPa  
TEST PRESSURE: 0.91 MPa

GROSS CAPACITY: 36,600 L  
NET PAYLOAD: 15,600 kg

CERTIFICATION: Bureau Veritas  
ORIGIN: 100% European Made