MODULAR LNG STORAGE

A modular, effective, and adaptable solution.

General information

We offer different ways to store Liquefied Natural Gas (LNG), such as **isotanks** (horizontal) and **vertical tanks.** These two options allow us to adapt to each client's specific projects.

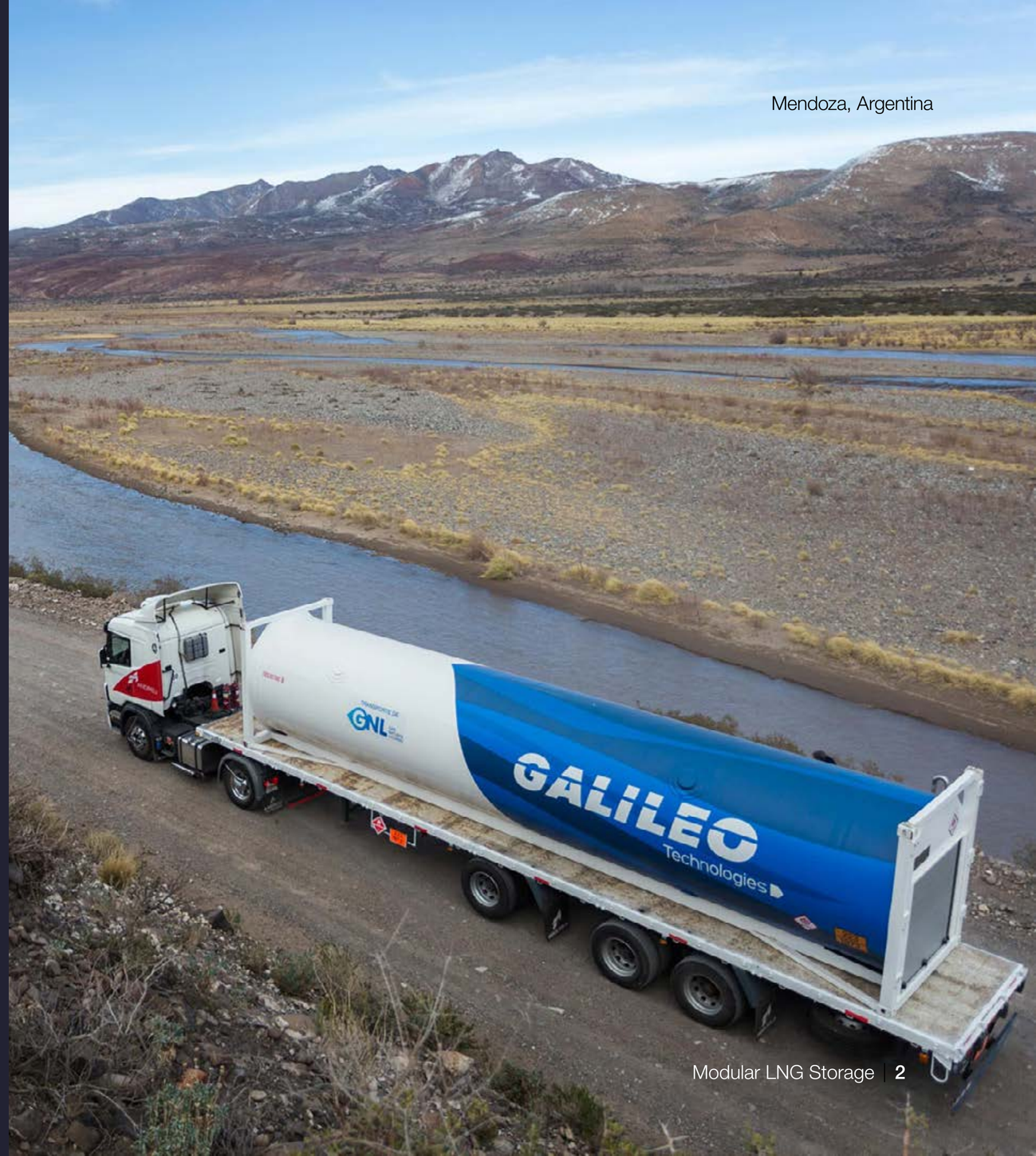
Our tanks, manufactured in **stainless steel with protective coatings**, guarantee maximum safety and prevent leaks. Their functional design, which includes a top inspection manhole and a bottom drain valve, facilitates maintenance and cleaning.

We guarantee maximum safety: all our equipment complies with **international regulations**, after being subjected to rigorous inspections and international certifications to ensure their quality and regulatory compliance. In addition, they are **scalable** and feature **real-time monitoring** through our Galileo DigiHub - Scada System.

*Last update: OCT/2025

The specifications and images expressed in this catalog are generic and illustrative, and may vary according to the requirements of each market.

GALILEO Technologies



Mendoza, Argentina

VERTICAL STORAGE SYSTEMS

Vertical tanks (up to 260 m³)

By converting natural gas to LNG, we reduce its molecule by 600 times to provide more gas per cubic meter of storage capacity.Liquefaction is a result achieved below -160°C and **our cryogenic isotanks are specially designed to maintain that temperature for extended periods.***

Our vertical tanks offer **a superior LNG storage capacity per cubic meter** compared to horizontal isotanks, allowing us to respond to all your flow needs and making them the ideal choice for installations with limited space availability.

In addition, as with horizontal isotanks, we provide all the necessary accessories, platforms, walkways, and interconnection skids for efficient integration.

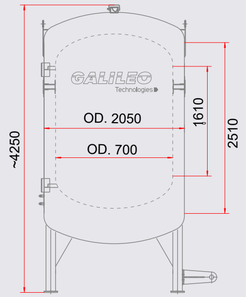
*Details regarding a standard project, at Galileo Technologies we have the capacity to adapt to the specific requirements of the client or the project in question.

GALILEO Technologies

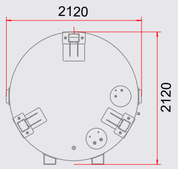
Dimensions (mm)

5 m³

FRONT VIEW

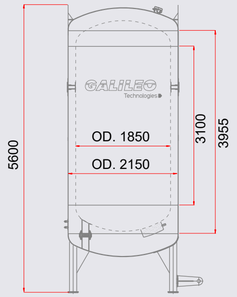


TOP VIEW

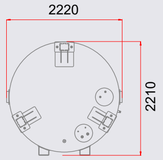


10 m³

FRONT VIEW

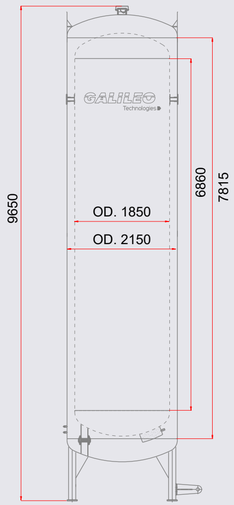


TOP VIEW

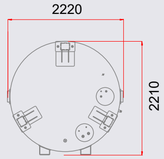


20 m³

FRONT VIEW

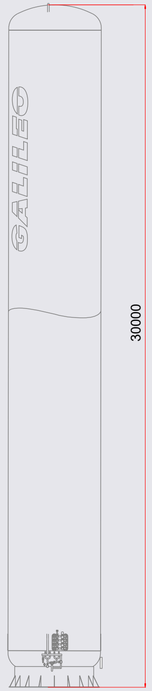


TOP VIEW

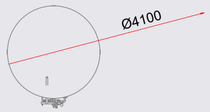


260 m³

FRONT VIEW



TOP VIEW



VERTICAL STORAGE

Datasheet*

GEOMETRIC CAPACITY		5 m³	10 m³	20 m³	260 m³
					
Max working capacity	m³	4,75	9,5	19	247
Design Pressure / Inner Vessel	barg	9,1	9,2	9,4	8,1
	psig	132	133,4	136,3	117,5
Design Pressure / Outer Vessel		-1,0 barg (-14,5 psig)			
MAWP - Inner Vessel	barg	8	8	8	6
	psig	116	116	116	87
MAWP - Outer Vessel	barg	-1,0 barg (-14,5 psig)			
Design Temp / Inner Vessel	°C	-196			
Design Temp / Outer Vessel	°C	50			
Operation Temp Inner Vessel	°C	> -162			
Operation Temp Outer Vessel	°C	-20 a 50			

*The expressed specifications are generic and may vary according to the requirements of each market.

VERTICAL STORAGE

Datasheet*

GEOMETRIC CAPACITY		5 m³	10 m³	20 m³	260 m³
Inner Vessel Material		SA-240 304			
Outer Vessel Material		SA 516 Gr485			
Loading Medium		LNG			
Filling Ratio		0,95			
Discharge Method		Pressure Differential			
Max Load Weight	tons	4,7	7,9	14,1	190,9
Empty Weight	tons	2,7	3,9	6,1	86
Insulation Type		High vacuum Multi layer			
Dimensions (diameter x height)	m	2,12 x 4,2	2,22 x 5,6	2,22 x 9,65	4,1 x 30
Design Criteria					
		ASME Boiler and Pressure vessel code section VIII, Div. 1			
		IMDG - The International Maritime Dangerous Goods Regulations			
		CGA 341-2007 Specification for insulated cargo. Tank for Nonllamable Cryogenic Liquids			

*The expressed specifications are generic and may vary according to the requirements of each market.

HORIZONTAL STORAGE SYSTEMS

Isotanks (43 m³)

In areas with ample space, horizontal isotanks are the ideal option. Their configuration allows them to be grouped in rows of 8 tanks and up to 3 levels high, resulting in storage clusters of 24 units in total.

Thanks to Galileo manufacturing its own platforms, connection skids, and stairs, including LNG and Boil-Off Gas (BOG) piping, **an efficient, simple, and safe operation can be guaranteed,** without intermediaries or third parties.

Additionally, the modular and transportable design of each component allows for **easy installation and relocation**, making the process even more efficient.

*Details regarding a standard project, at Galileo Technologies we have the capacity to adapt to the specific requirements of the client or the project in question.

GALILEO Technologies

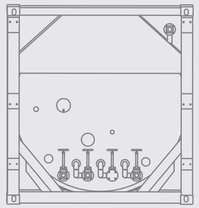
Paita, Perú

Dimensions (mm)

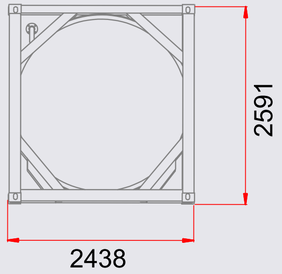
18,2 m³

SIDE VIEW

BACK VIEW

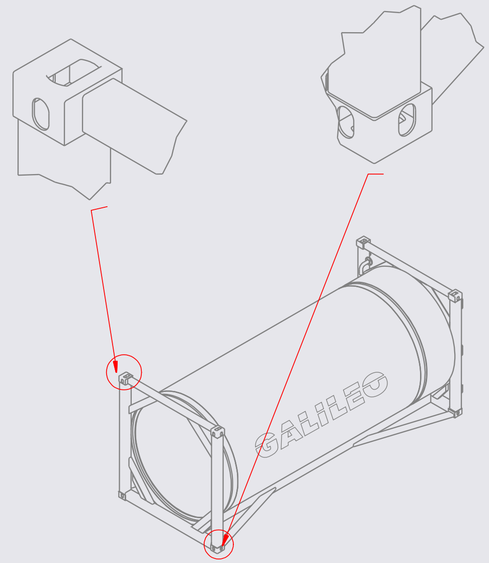


FRONT VIEW



TOP VIEW

ANCHOR AND CLAMPING SYSTEM ISO CONTAINERS STANDARD

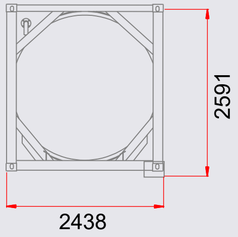


Dimensions (mm)

43,5 m³

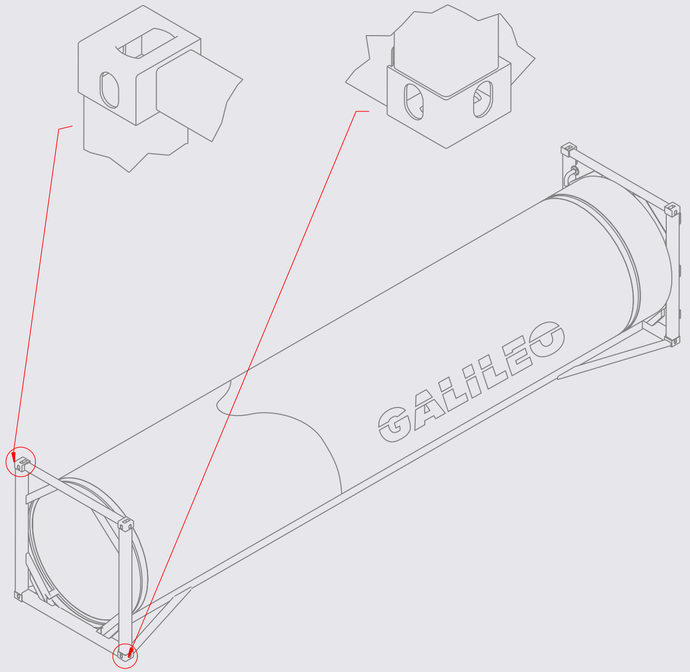
SIDE VIEW

FRONT VIEW



TOP VIEW

ANCHOR AND CLAMPING SYSTEM ISO CONTAINERS STANDARD



HORIZONTAL STORAGE

Datasheet*

GEOMETRIC CAPACITY		18,2 m³	43,5 m³
			
Max working capacity	m³	17,3	41,3
Design Pressure / Inner Vessel	barg	9,1	9,4
	psig	137,8	137,8
Design Pressure / Outer Vessel		-1,0 barg (-14,5 psig)	
MAWP - Inner Vessel	barg	8	8
	psig	116	116
MAWP - Outer Vessel	barg	-1,0 barg (-14,5 psig)	
Design Temp / Inner Vessel	°C	-196	
Design Temp / Outer Vessel	°C	50	
Operation Temp Inner Vessel	°C	> -162	
Operation Temp Outer Vessel	°C	-20 a 50	
Inner Vessel Material		SA-240 304	
Outer Vessel Material		SA 516 Gr70	

*The expressed specifications are generic and may vary according to the requirements of each market.

HORIZONTAL STORAGE

Datasheet*

GEOMETRIC CAPACITY		18,2 m³	43,5 m³
Loading Medium		LNG	
Filling Ratio		0,95	
Discharge Method		Pressure Differential or Pump Skid (as required)	
Max Load Weight	tons	15,4	30,5
Empty Weight	tons	8	12
Insulation Type		High vacuum Multi layer	
Dimensions (Length x Width x Height)	m	6,06 x 2,44 x 2,39	12,19 x 2,44 x 2,59
Stacking Quantity		up to 5	
Design Criteria			
		ASME Boiler and Pressure vessel code section VIII, Div. 1	
		IMDG - The International Maritime Dangerous Goods Regulations	
		CGA 341-2007 Specification for insulated cargo. Tank for Nonllamable Cryogenic Liquids	
		IMDG / ASME / US-DOT / CGA / ADR	

*The expressed specifications are generic and may vary according to the requirements of each market.

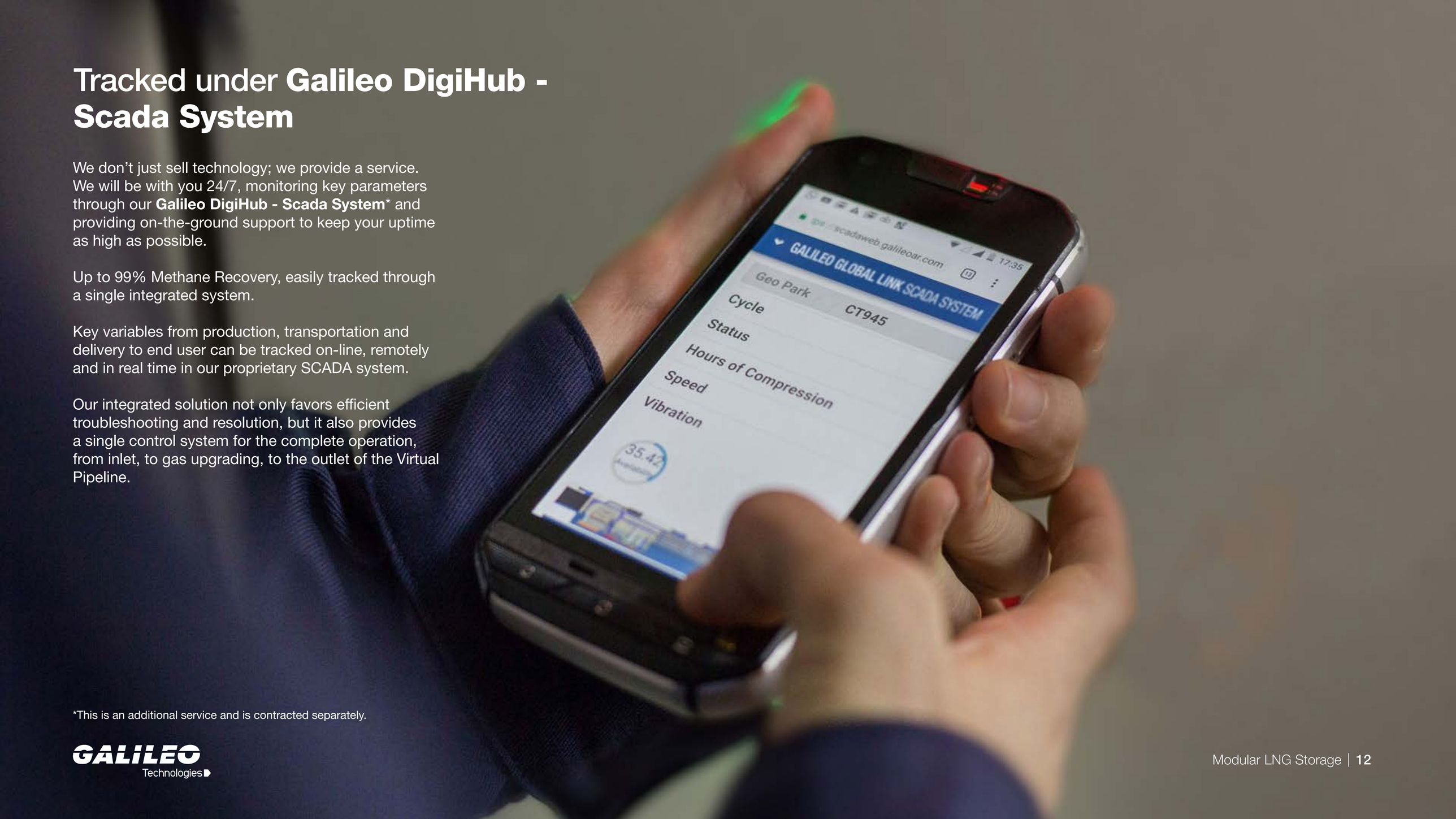
Tracked under **Galileo DigiHub - Scada System**

We don’t just sell technology; we provide a service. We will be with you 24/7, monitoring key parameters through our **Galileo DigiHub - Scada System*** and providing on-the-ground support to keep your uptime as high as possible.

Up to 99% Methane Recovery, easily tracked through a single integrated system.

Key variables from production, transportation and delivery to end user can be tracked on-line, remotely and in real time in our proprietary SCADA system.

Our integrated solution not only favors efficient troubleshooting and resolution, but it also provides a single control system for the complete operation, from inlet, to gas upgrading, to the outlet of the Virtual Pipeline.



*This is an additional service and is contracted separately.

GALILEO Technologies

Success stories

Methax / Anchoris (Mendoza, Argentina)

We produce LNG in unconnected wells to power the new Methax Thermal Power Plant. It is the first pipeline-independent Gas-to-Power experience developed worldwide. Currently, it contributes 41 MW, covering the needs of 125 thousand people. By replacing diesel with 100% Argentinian natural gas, electricity generation reduces its CO_2 emissions by 30%.

Success stories

Eneva
Location: Amazonia, Brazil.

Paita
Location: Paita, Perú.

Success stories

El Coqui landfill
Location: Humacao, Puerto Rico.

Comarsa
Location: Añelo, Argentina.

Success stories

La Mora
Location: Mendoza, Argentina.

Narambuena
Location: Neuquén, Argentina.

Ribera
Location: Neuquén, Argentina.

GALILEO Technologies

Follow us:

info@galileoar.com **www.galileotechnologies.com**

New Jersey
333 Cedar Ave
Middlesex, NJ 08846
United States

Buenos Aires
Av. General Paz Provincia 265
(B1674AOA) Sáenz Peña,
Partido de Tres de Febrero
Pcia. de Buenos Airees,
Argentina

São Paulo
Rua Doutor Renato Paes de
Barros, 750, Cj. 32,
Itaim Bibi, São Paulo, SP, Brasil
CEP 04530-001