

Where energies make tomorrow ●

# SnapLNG™ by T.EN

Delivering low-carbon LNG in a new way  
with an accelerated time to market.

## The Solution

# ZERO



TECHNIP  
ENERGIES



# We are LNG pioneers

Technip Energies brings its clients' ground-breaking LNG projects to life, integrating leading edge technology and expertise. With a 60-year track record of successes executing some of the world's largest LNG projects such as Yamal LNG, Coral FLNG, Prelude FLNG and Arctic LNG, we have delivered more than 20 percent of the LNG capacity across the globe through mid-to large-scale plants onshore and offshore in remote locations and harsh environments. We leverage our extensive engineering resources for conceptual design to offer turnkey delivery of complete LNG facilities.

## Facilitating the LNG transition

Today, we are committed to enhancing our clients' project performance and accelerating the energy transition by offering solutions to reduce CO<sub>2</sub> emissions from liquefaction terminals.

In Qatar, we are delivering the world's largest liquefied

natural gas projects, Qatar Energy North Field East and North Field South, including a large native CO<sub>2</sub> carbon capture and sequestration facility that reduces CO<sub>2</sub> emissions by about 25 percent compared to similar LNG facilities.

Combining extensive expertise, project execution excellence and leading technologies, our solutions improve your LNG and natural gas operations to pave the way to greener energy.

## Global leader in LNG plant design and construction



**110 Mtpa**  
GLOBAL PRODUCTION  
DELIVERED



**>20%**  
OF OPERATING LNG  
CAPACITY WORLDWIDE



**7.8 Mtpa**  
WORLD'S LARGEST LNG  
TRAINS DELIVERED

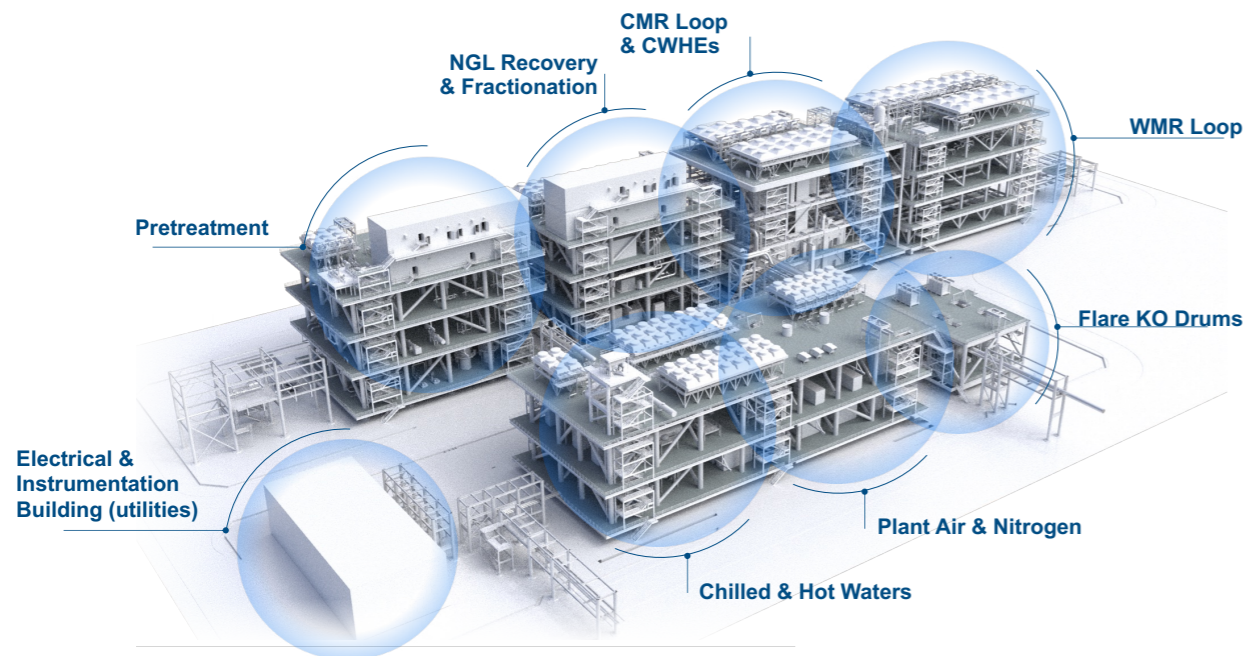


# SnapLNG by T.EN™

The Solution Zero for low-carbon LNG

# A unique modular and standardized approach

To accelerate the energy transition, we have to make LNG production cleaner and faster. This is why Technip Energies has designed SnapLNG by T.EN™, a new way to approach LNG through pre-engineered and standardized modules as well as LNG decarbonized production: The Solution Zero for low-carbon LNG.



## SnapLNG by T.EN™ main technical features

“Mid-scale” LNG train: **2.5 MTPA**

**Data centric** approach for FEED and further phases

**Air cooled APCI DMR** Liquefaction process

**Standardization** to the maximum extent for an envelop of sites and gas compositions

**Fully electrified LNG train** with 50 MW electrical motors for refrigerant compressors

With SnapLNG by T.EN™ modular approach, site construction activities and related costs are drastically reduced. SnapLNG by T.EN™ is built in our referenced yards to derisk construction and enhance safety, quality, schedule and cost performance.

Its unique design offers greater LNG train availability from 93 percent to about 97 percent, translating directly to clients' yearly revenues.

## SnapLNG by T.EN™ main benefits

### Growth strategy

- Accelerated time to market / revenues
- Flexible and phased expansion

### Project economics

- LNG certainty
- Capex competitiveness
- Plant reliability
- Low Opex

### Energy transition

- Zero-carbon emissions in operation

### Project management

- Cost and schedule certainty
- Plug-and-play system
- Best in class suppliers and technologies
- Single point of responsibility throughout project delivery



# Optimized asset life cycle performance

Offering a single source of truth in the asset model. The strong data model and foundation developed during the SnapLNG by T.EN™ standard FEED provides a solid digital backbone for further project phases, from FEED completion to EPC, and beyond for operation and maintenance.

## Asset Life Cycle Performance

### INTEGRATED LIFE CYCLE:

- Project performance: To establish and deploy digital practices as a competitive differentiator.
- Operational Excellence : To support the entire plant's life cycle.

### COMPONENTS

#### PROJECT PERFORMANCE:

- Data centric engineering solutions
- 4D simulation
- Advanced work packaging
- Integrated supply chain
- Project twin

#### OPERATIONAL EXCELLENCE:

- Operation twin
- Asset integrity
- Situational awareness
- Plant performance
- Virtual operator training
- Operation automation
- Change management

### KEY BENEFITS

- OPEX savings
- Minimize plant downtime
- Productivity gains & work hours savings
- Project execution schedule acceleration
- Safety improvement
- Enhance quality of deliverables
- Minimize environmental impacts



# Maximizing value and capacity



### LNG DECARBONIZED PRODUCTION

#### Zero CO<sub>2</sub> emission in operation

Committed to a sustainable future, we designed SnapLNG by T.EN™ with electric motors avoiding ~350kTe/year per train of CO<sub>2</sub> emissions versus a gas turbine solution.



### ACCELERATED TIME TO MARKET

#### More than two years project acceleration

With pre-engineered and standardized LNG modules instead of tailored projects, our clients can save more than two years on total project duration.



### LNG CERTAINTY

#### 97% plant availability

SnapLNG by T.EN™ provides certainty in several aspects of our clients' projects, including cost execution, delivery schedule, plant reliability and availability and production performance.



### SNAPLNG BY T.EN™ IN A NUTSHELL

**2.5 Mtpa**  
production capacity, replicable

**2 years**  
time to market / revenues acceleration

**Zero CO<sub>2</sub>**  
emission in operation

**60 years**  
of expertise in offshore & onshore LNG

**97%**  
plant availability



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