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A World-Class Integrated LNG Portfolio

September 28, 2022

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New opportunities fueling LNG growth without Russia

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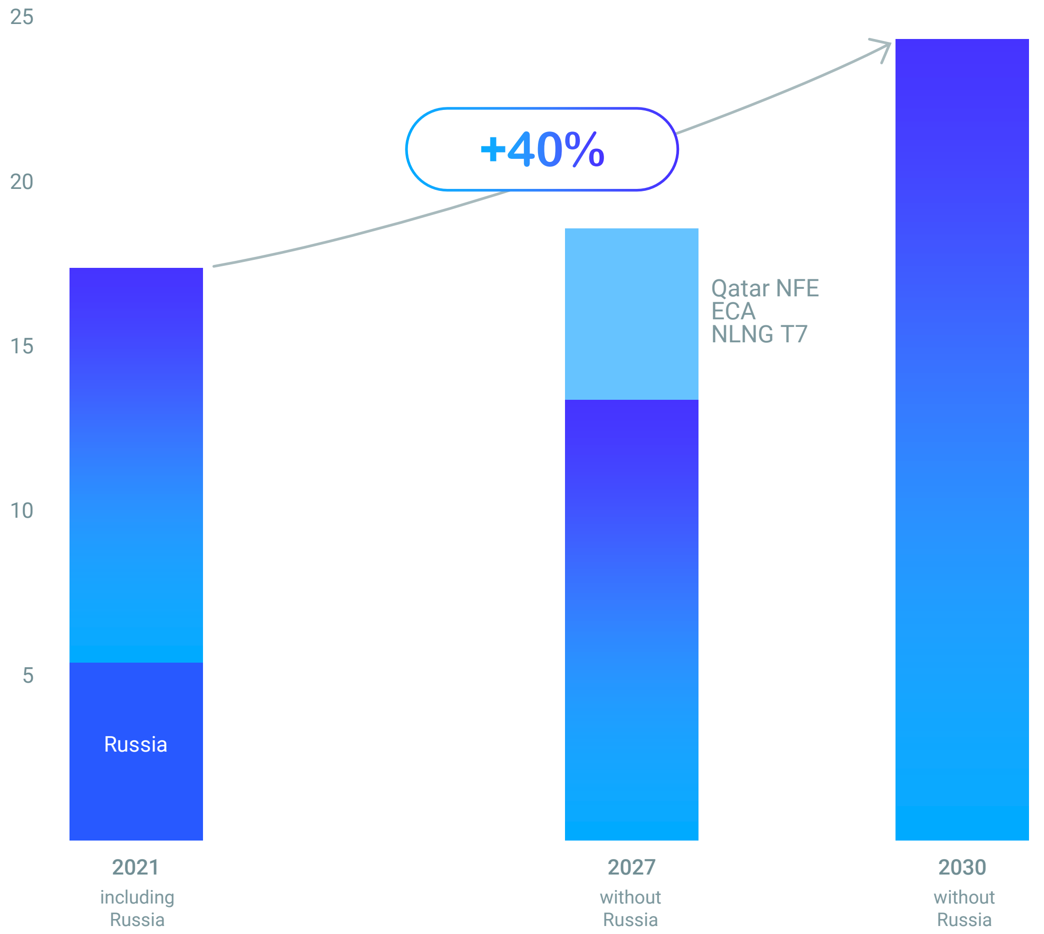
LNG production
Mt/y



2027+ growth drivers

Qatar
North Field East & North Field South
3.5 Mt/y

United States
Cameron Ph. 2, ECA
~2 Mt/y

Papua New Guinea
Papua LNG
~2 Mt/y

Mozambique
Giant Area-1 resources
~3 Mt/y


Ras Laffan liquefaction terminal, Qatar

Profitably expanding in Qatar

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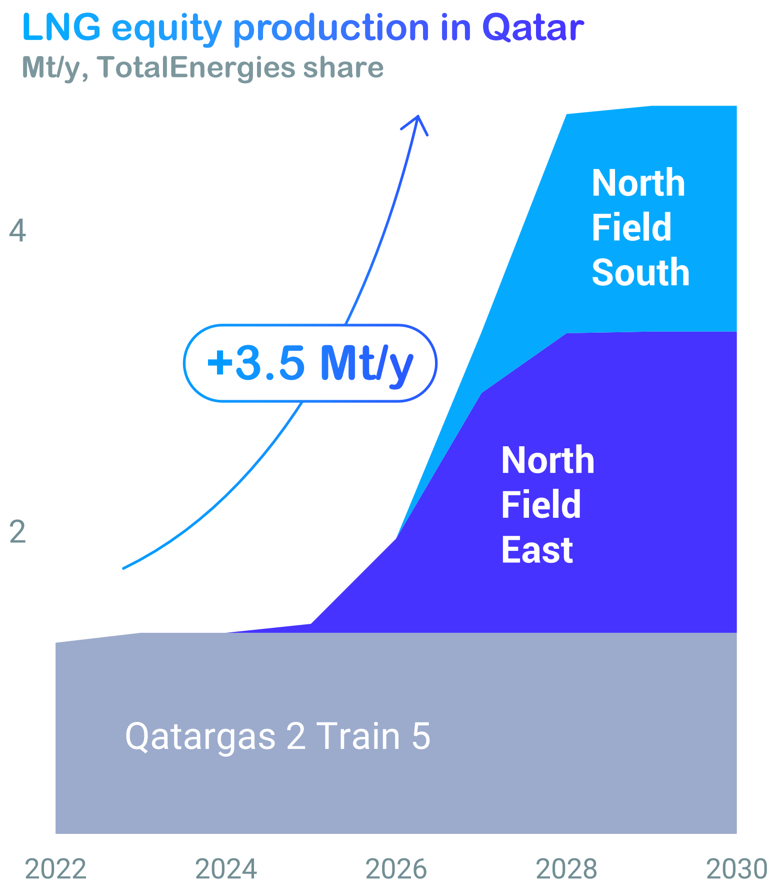


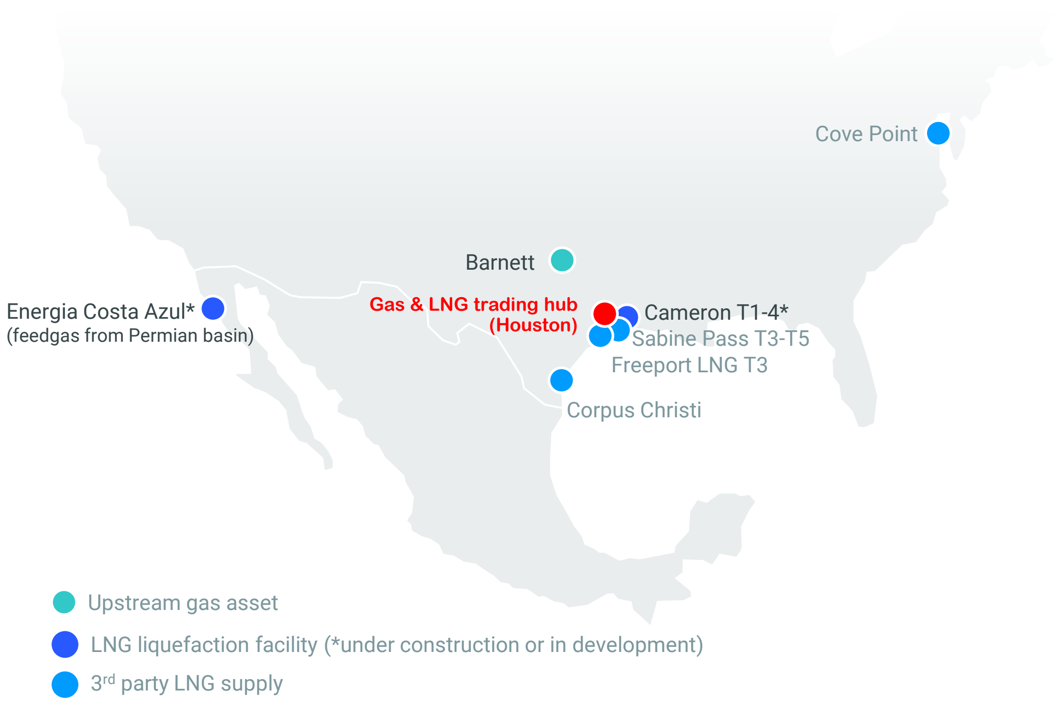
Strengthening partnership

- → Longstanding partner of Qatar
- → Leveraging European regas capacity

Low-cost and low-emission LNG

- → Total Capex of 3.5 B$ (estimate TotalEnergies share)
- → ~1.3 Bboe (TotalEnergies share over 27 years)

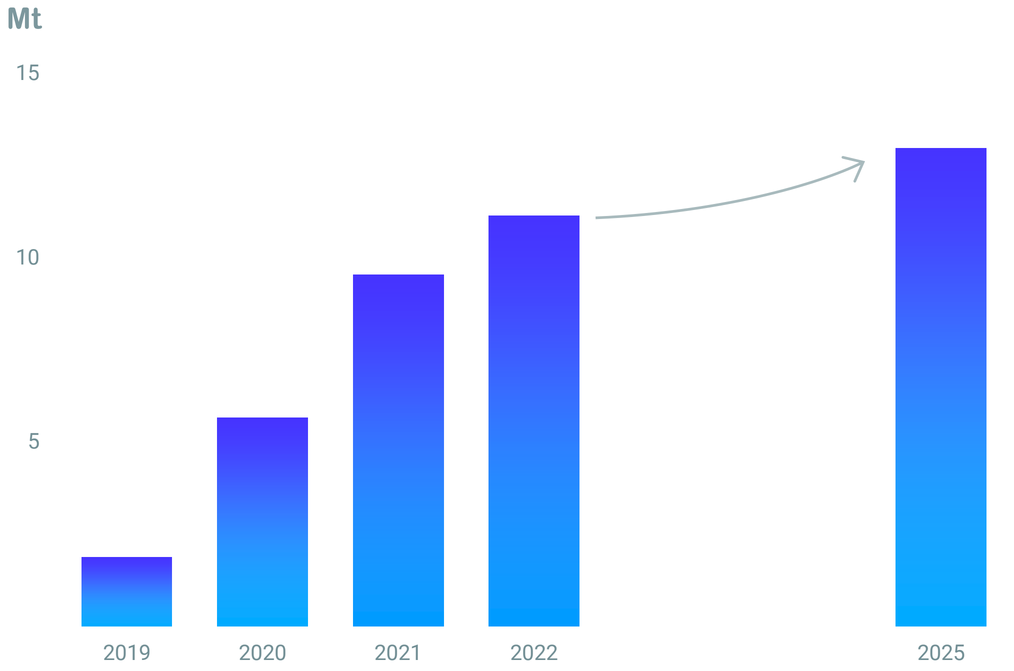
1st US LNG exporter in 2022
13 Mt/y by 2025



→ **Leveraging on integration and trading capabilities**

→ **HH indexed supply with < 3.5 $/Mbtu average liquefaction cost**

TotalEnergies US & Mexico long-term LNG offtake

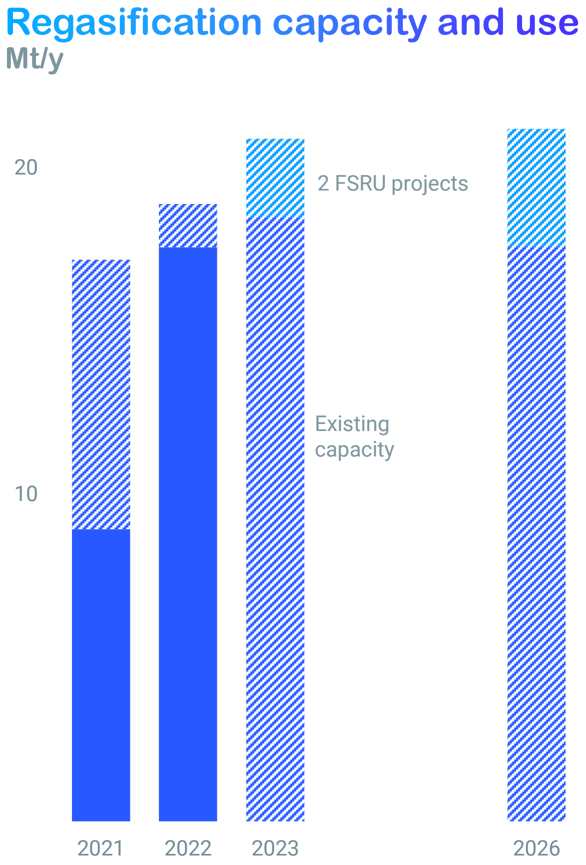


→ **Growing historical US LNG supply from Cheniere, Engie & Toshiba deals**

→ **13 Mt/y offtake in 2025 thanks to partnership with Sempra on Cameron Phase 2 & ECA**

→ **Other US options to feed growth beyond 2025**

Access to regas capacity to meet Europe new LNG demand



→ **> 18 Mt/y in Europe**
15% market share

→ **From 50%** (2021) **to > 90%**
utilization rate (2022)

→ **2 Floating regas terminals (FSRU) projects**
with access to LNG capacity in France and Germany to potentially start by end-2023

→ **> 20 LNG Carriers Fleet**

2022: securing LNG long-term sales with longstanding partners in key geographies

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Hanwha	South Korea **0.6 Mt/y** 15y from 2024	**Diversifying partnership into LNG** after partnering in downstream in 2015 (Daesan platform) and renewables in 2021 (50%/50% JV to develop 1.6 GW)
sembcorp	Singapore **0.3 Mt/y** 5y from 2025	**Extending our partnership** New LNG contract in addition to existing volumes Electricity supplier of our 1,500 EV charging points in Singapore
aes	Dominican Republic **0.5 Mt/y** 11y from 2023	**Added new LNG volumes*** with our partner since 2016 in the Caribbean region (~1.5 Mt/y existing volumes with AES)

*Pending binding agreement

Long LNG portfolio leveraged to high prices

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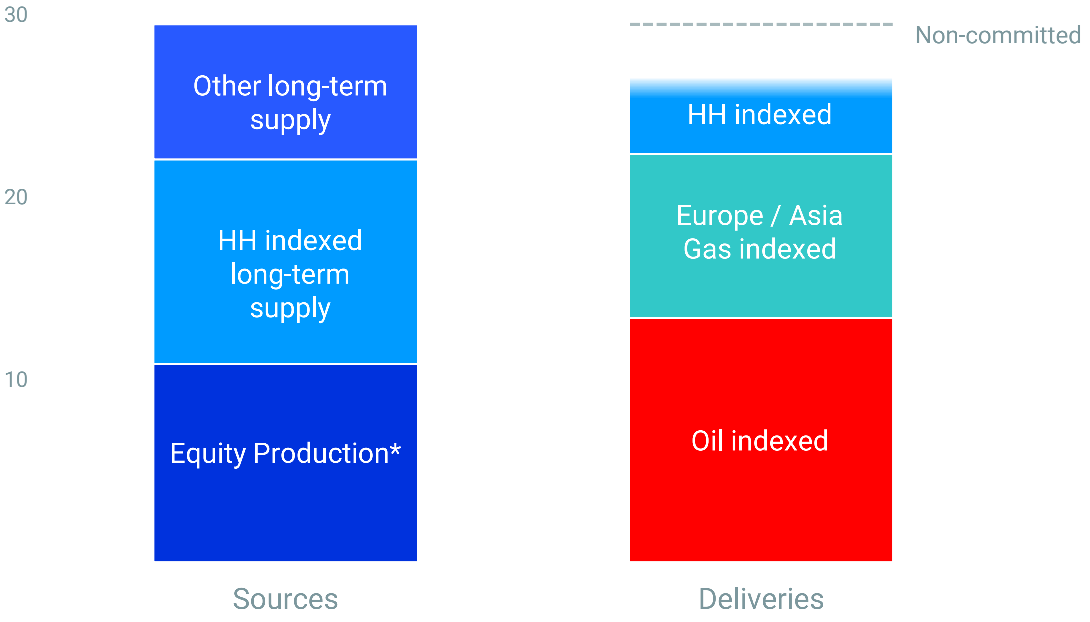
Global managed LNG portfolio exposure
Excluding Russia and spot volumes (2023)

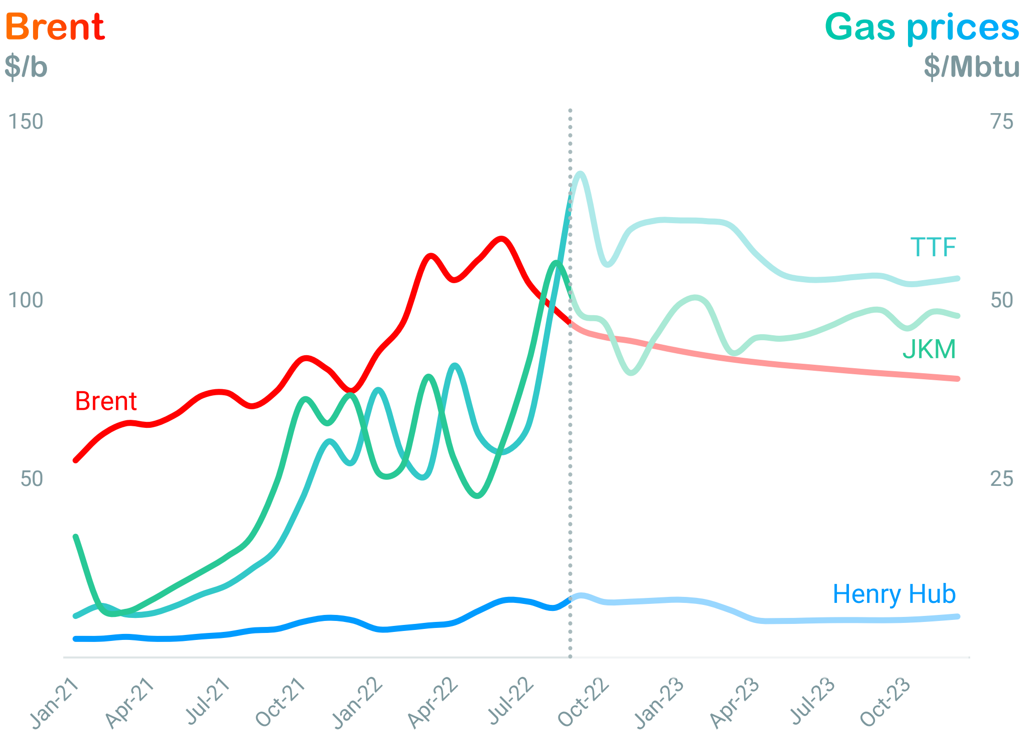


→ **Portfolio length sold to best market**

→ **~25% of supply volumes open for optimization (Europe vs Asia)**

*Excluding Cameron LNG tolling included in HH indexed long-term supply

Brent / Gas prices



→ **Managed LNG portfolio leveraged to high oil and gas prices**

Sources: NYMEX, HEREN, PLATTS, ICE as of Sep 21, 2022

Supporting our customers in their decarbonization efforts

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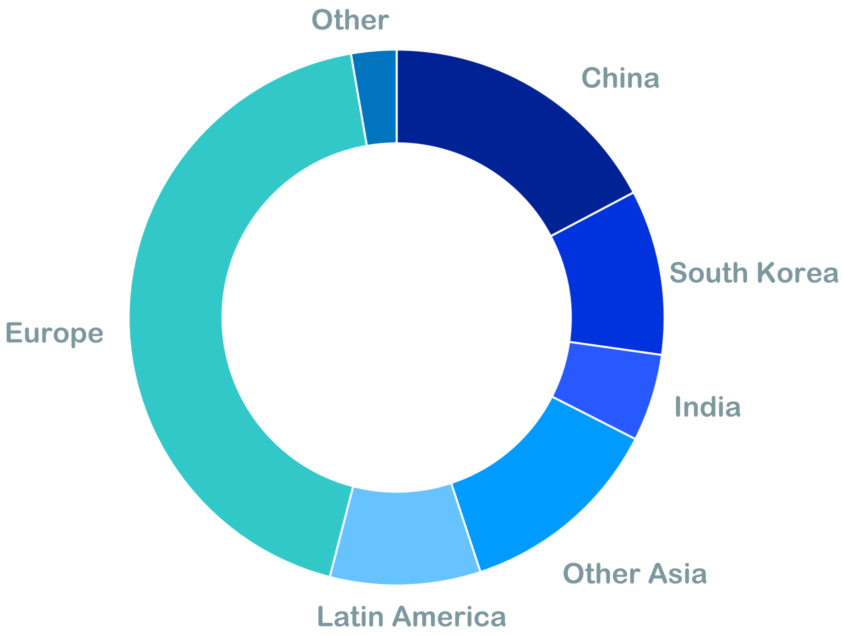
2021 TotalEnergies sales*



99% of 2021 volumes sold to Net Zero countries

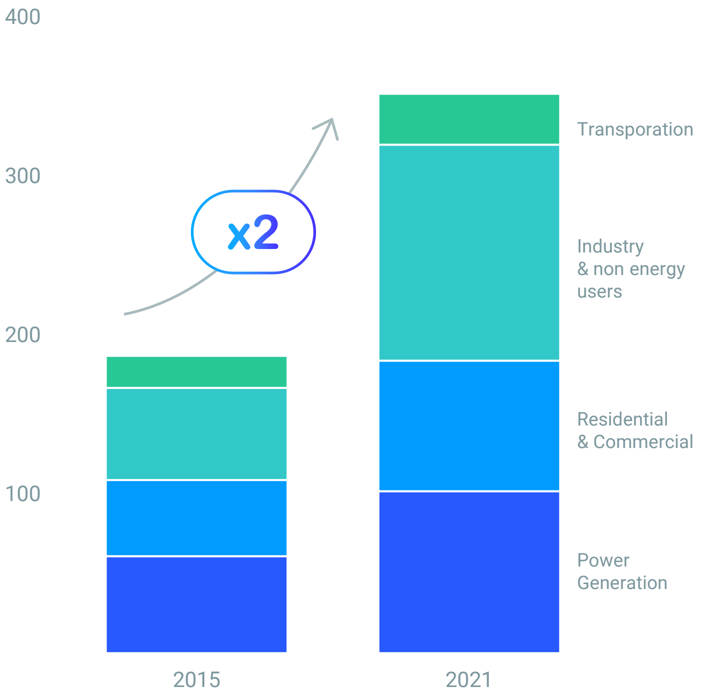
Hanwha	South Korea 0.6 Mt/y 15y from 2024	Power switch from coal
AM/NS INDIA **	India Up to 0.5 Mt/y until 2026	Power switch from coal and industrial use
adani	India Up to 3 Mt/y	City gas & industrial use
申能股份有限公司 SHENERGY COMPANY LIMITED	China Up to 1.4 Mt/y 20y from 2021	Transportation, industrial use & city gas
aes	Caribbean 1.5 Mt/y until 2030	Power switch from Heavy Fuel Oil

*Sales by TotalEnergies from equity production and third-party purchases

** ArcelorMittal Nippon Steel

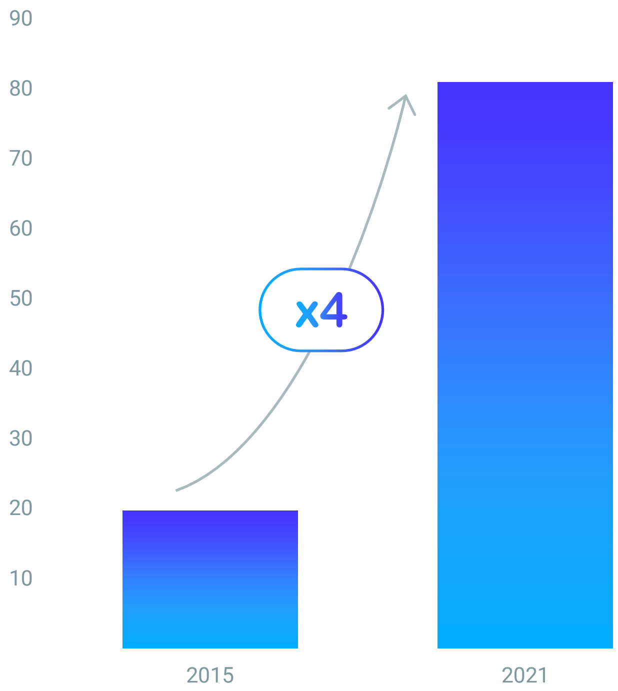
LNG as a transition fuel: China illustration

China gas consumption
Bcm



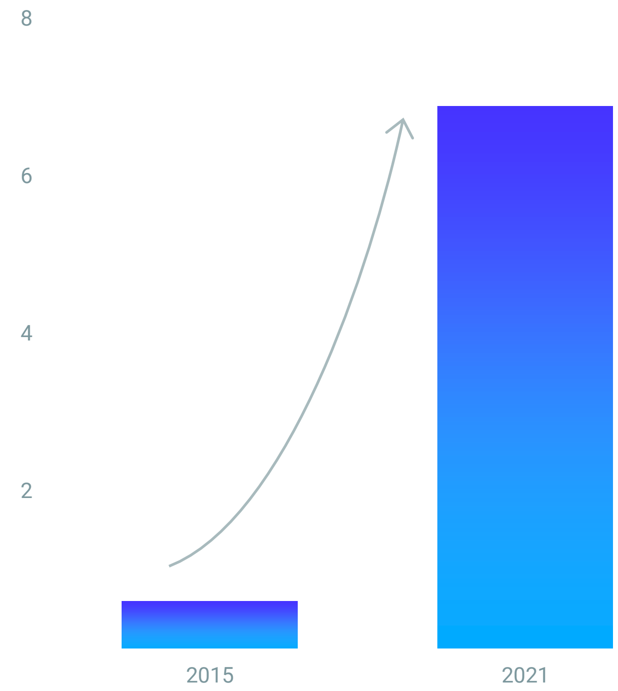
→ Increased use of gas in all sectors

China LNG imports
Mt



→ LNG has been key for increasing the role of gas in China

TotalEnergies LNG Sales in China
Mt



→ TotalEnergies has supplied 9% of China LNG imports in 2021

Decarbonizing our LNG chain

Priority on methane emissions reduction

- → Satellite & drone leak detection and monitoring
- → Air instrumentation (Barnett)
- → OGMP 2.0 Gold Standard

Carbon Footprint Reduction

- → Native CO_2 capture & reinjection (Papua LNG)

New LNG projects lowering portfolio GHG average intensity

Electrification & energy efficiency

- → Cameron T4: electric drive technology
- → Connection to grid: Cameron, Qatar

Native CO_2 capture and sequestration

- → Ichthys, Cameron, Qatargas

Partnerships

- → Siemens, Technip Energies

Reducing emissions

- → Technology: hull air lubrification, batteries and shore power, methane slip reduction
- → Alternative fuels: biofuels, e-fuels

Alliances

- → Sea Cargo Charter
- → Maersk-McKinney-Moller center

Ambition to reduce full chain emission intensity by 20% by 2030

Major LNG player leveraging on strong positions

40 Mt
Managed LNG volumes
in 2022
excluding Russia

10%
market share
in 2022
excluding Russia

Top 3
LNG player

+40 years
experience in LNG

> 10 Mt/y
US offtake
#1 US LNG Exporter

Interests in **15**
liquefaction plants
in operation or under construction

Fleet
> 20
LNG carriers

> 18 Mt/y
of European regasification capacity