

Under the Patronage
of the President of Ukraine



The Committee on Economic Reforms
"National Projects" Working Group

LNG-TERMINAL

SEA TERMINAL FOR LIQUEFIED NATURAL
GAS REGAZIFICATION



**NATIONAL
PROJECTS**
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A STEP FORWARD TOWARDS ENERGY SECURITY – LNG-TERMINAL

Construction of a liquefied natural gas regasification terminal on the Black Sea coast will provide:

Diversification of natural gas supply sources

Strengthening of national energy security

Improvement of social stability level in Ukraine

Improvement of investment climate through development of state-private partnership

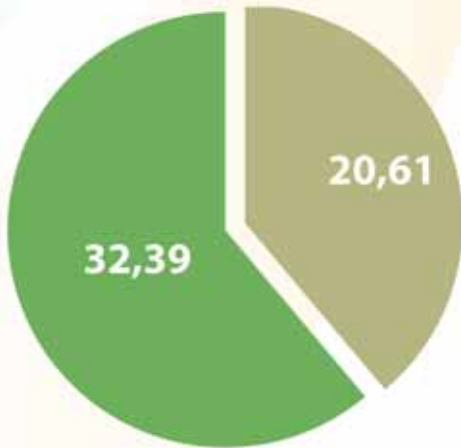


LNG-TERMINAL: ADVANTAGES

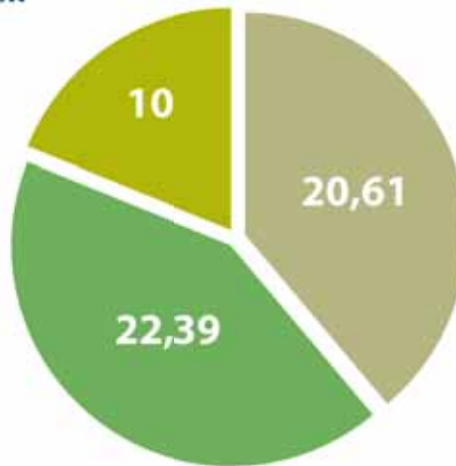
diversification of gas supply sources

decrease of prices for energy sources

Ukraine's natural gas balance without LNG-terminal
bcm

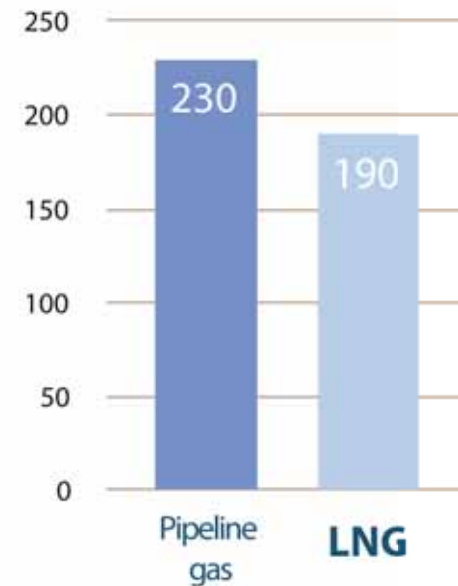


Expected natural gas balance with LNG-terminal
bcm

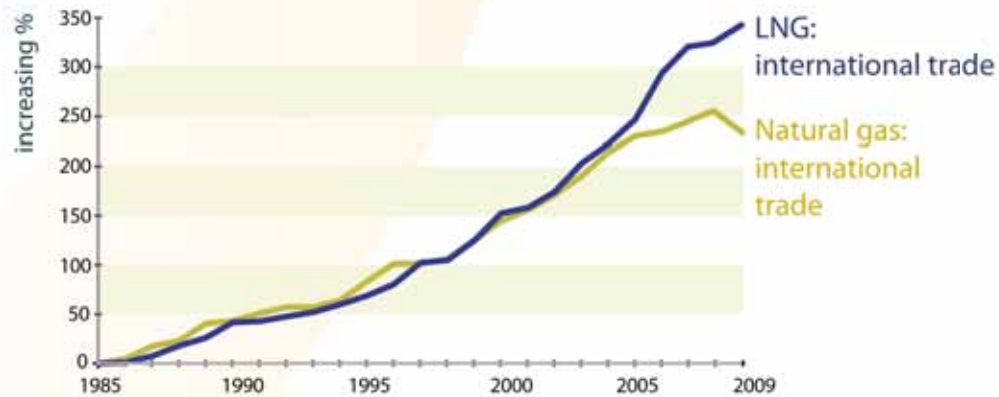


● Domestic extraction ● Pipeline gas (RF import) ● liquefied gas supplies

\$/bcm Price for Ukraine



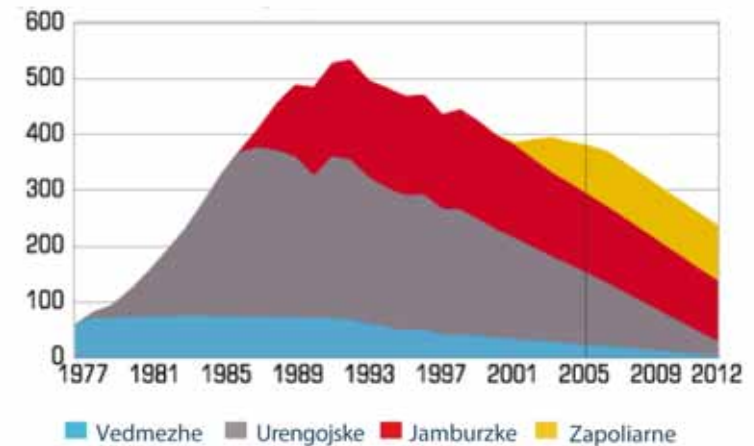
Global LNG-market is increasing



Not taking into account trade between the former USSR and UAE

Traditional sources are reducing

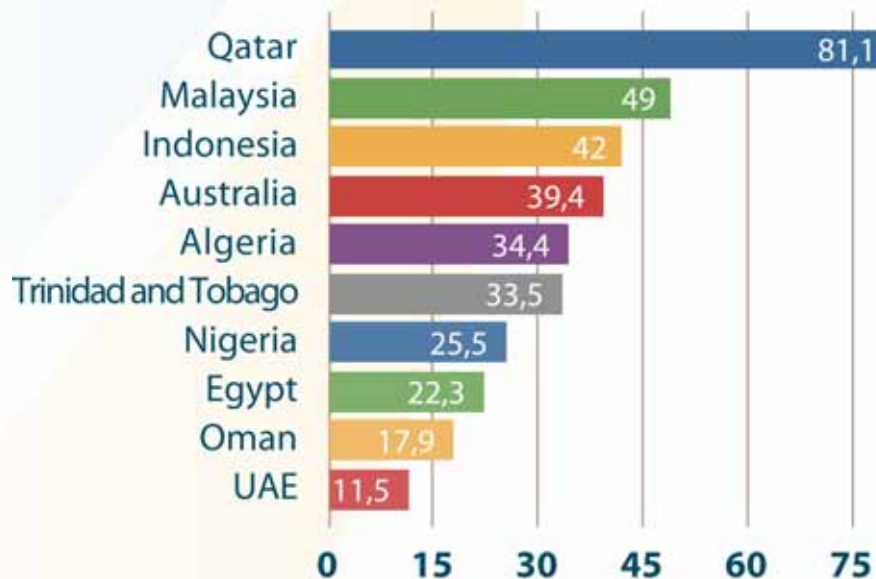
Production at the main gas-fields, bcm



INTERNATIONAL MARKET FOR LIQUEFIED NATURAL GAS

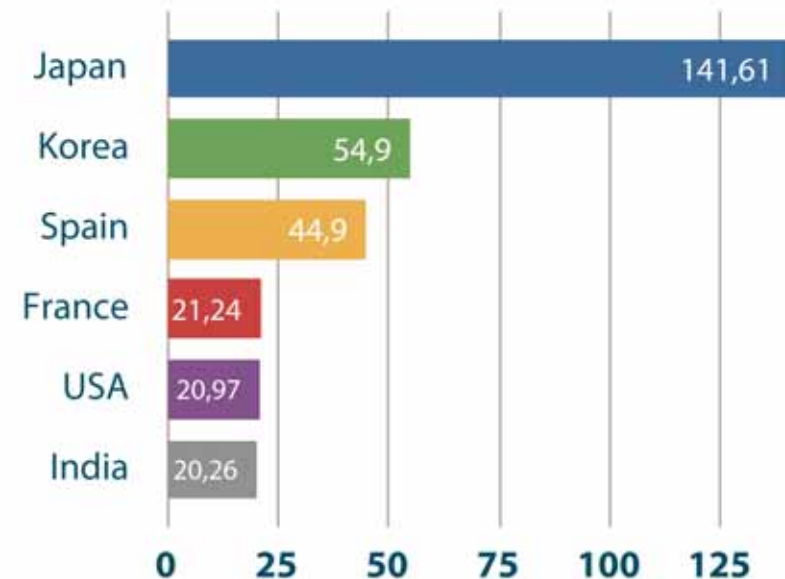
Key producers

(bcm, 2009)



Key importers

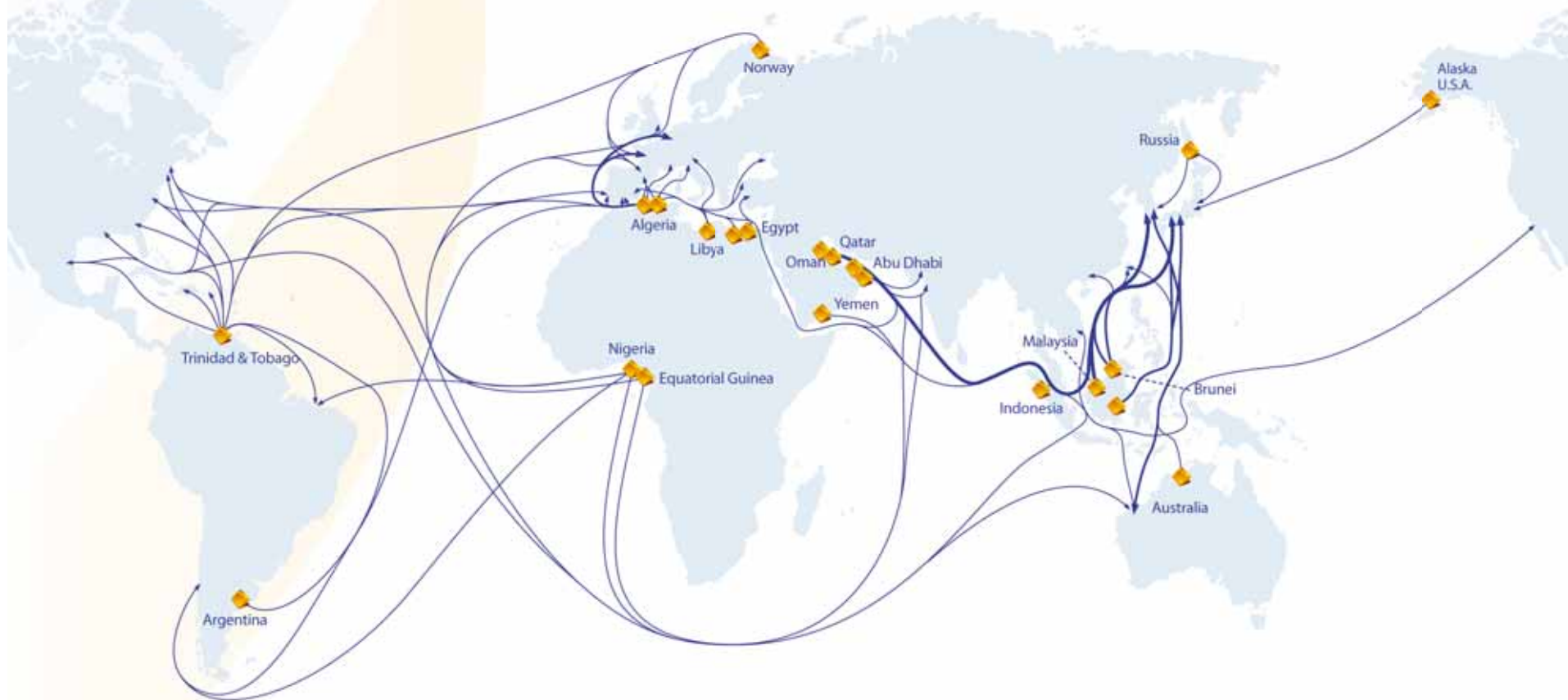
(bcm, 2009)



Increase in production and export of LNG from Northern Africa, Black sea and Caspian Sea regions, UAE and Qatar allows to supply Ukraine with up to **10 bcm of liquefied natural gas per year**



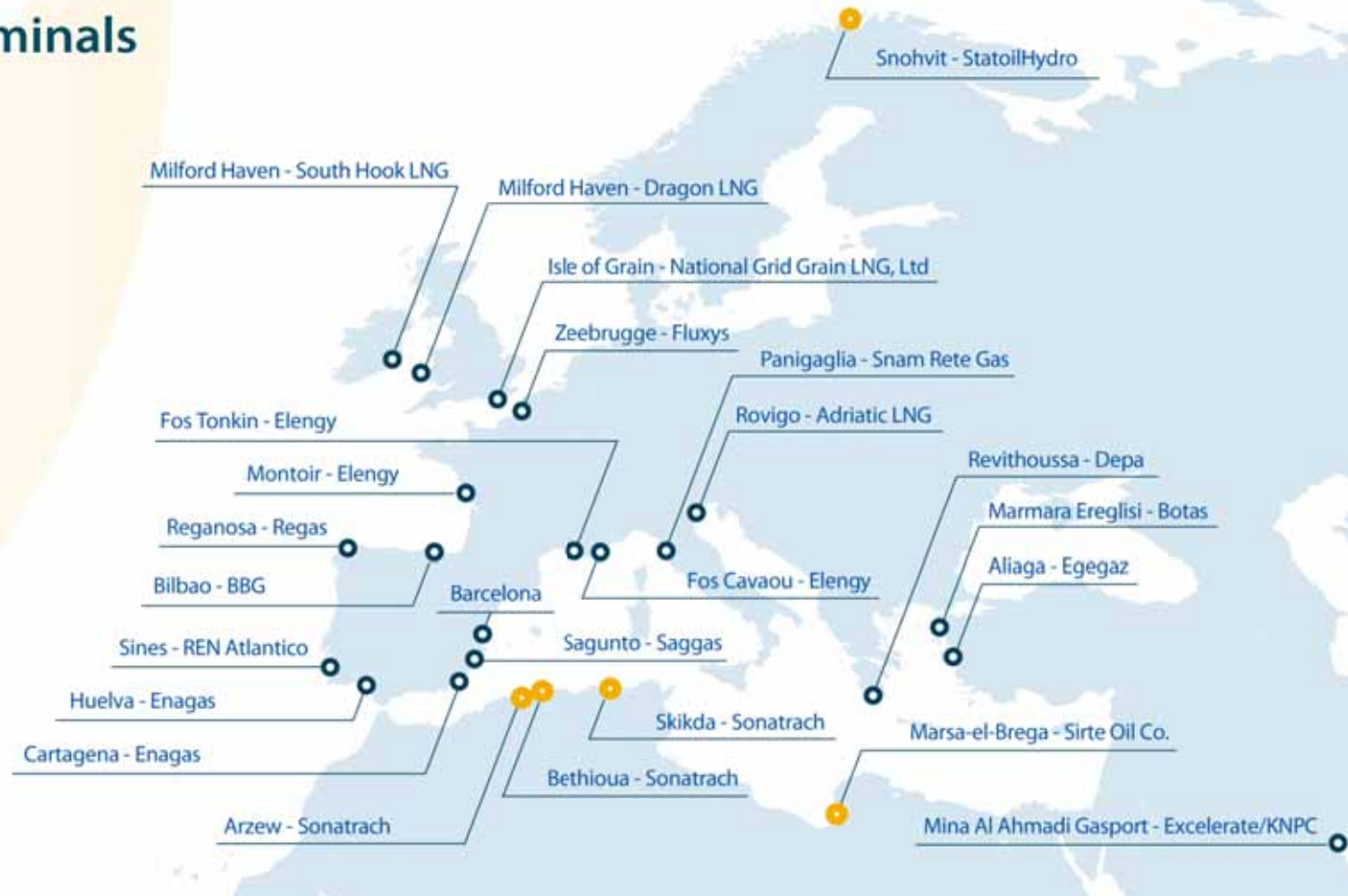
INTERNATIONAL LNG SUPPLIES ROUTES



GAS FACILITIES IN EUROPE

Gas liquefying plants

LNG terminals



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LNG-TERMINAL

POSSIBLE ROUTES OF LNG SUPPLIES



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LNG-TERMINAL

ESTIMATED INVESTMENTS

Yuzhnyi

(Odesa region)

Depth – 14 m, Roadstead – 21 m

Terminal - \$750 million
Infrastructure - \$360 million
Connection - \$100 million

Total:

\$1,21 billion

Ochakiv

(Mykolaiv region)

Depth – 5 m, Roadstead – 13,2 m

Terminal - \$750 million
Infrastructure - \$380 million
Connection - \$200 million

Total:

\$1,33 billion

Feodosia

(Crimea)

Depth – 11 m, Roadstead – 24 m

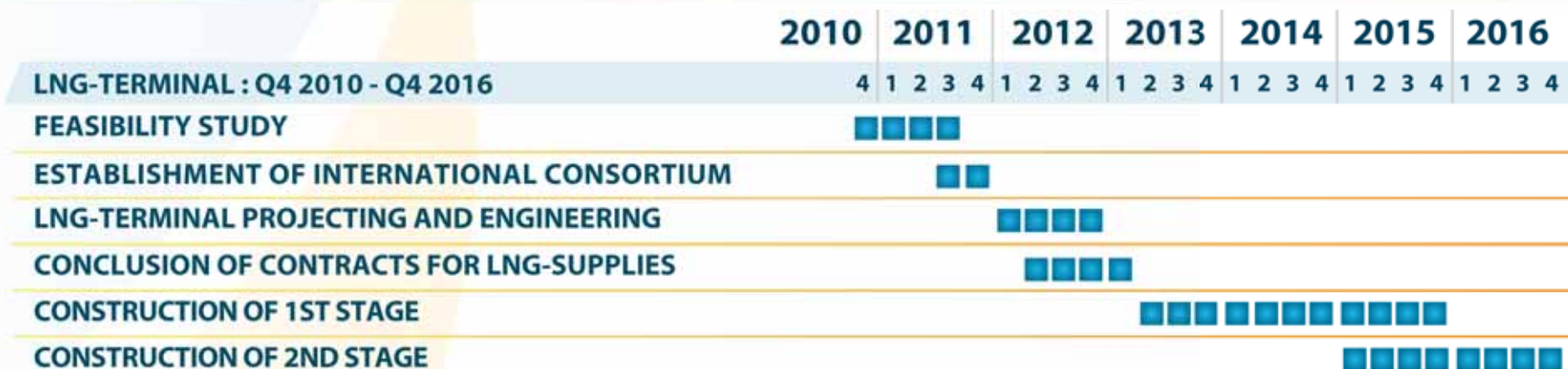
Terminal - \$750 million
Infrastructure - \$170 million
Connection - \$460 million

Total:

\$1,38 billion

- Investments into construction of a ground LNG-terminal with capacity of **10 billion m³ per year**

IMPLEMENTATION AND INVESTMENT



Options for financing:

Majority share of Ukraine within an international consortium
(51%+)

Minority share of Ukraine within an international consortium
(5-25%)

Together with Ukrainian financial and industrial groups, large gas consumers and foreign companies – suppliers of LNG

ADDITIONAL ADVANTAGES FROM LNG-TERMINAL

gasification of remote regions

refrigerator for food and medical industries



LNG-TERMINAL: NEW OPPORTUNITIES

Economic growth:

- Chemical industry
- Metallurgy
- Shipbuilding
- Energy, housing and municipal economy
- Engineering
- Transport
- Construction

New infrastructure and energy security!

