

The world runs on Cenergy
Corporate Presentation



Overview



Power transmission
Gas & liquid fuel
Wind Energy
Hydrogen & CCS
Telecom & data transmission
Construction

1,628 Revenue
in billion €
(2023)

214 a-EBITDA
in million €
(2023)



Have
5 main production units in 4 countries
and 4 supporting facilities



Provide
services worldwide for nearly 70 years



Realize
big projects in more than 70 countries
long history of innovation



Invest
€ 680 mil since 2012



Employ
more than 3,200
highly-skilled people



Produce
value added products
for niche markets



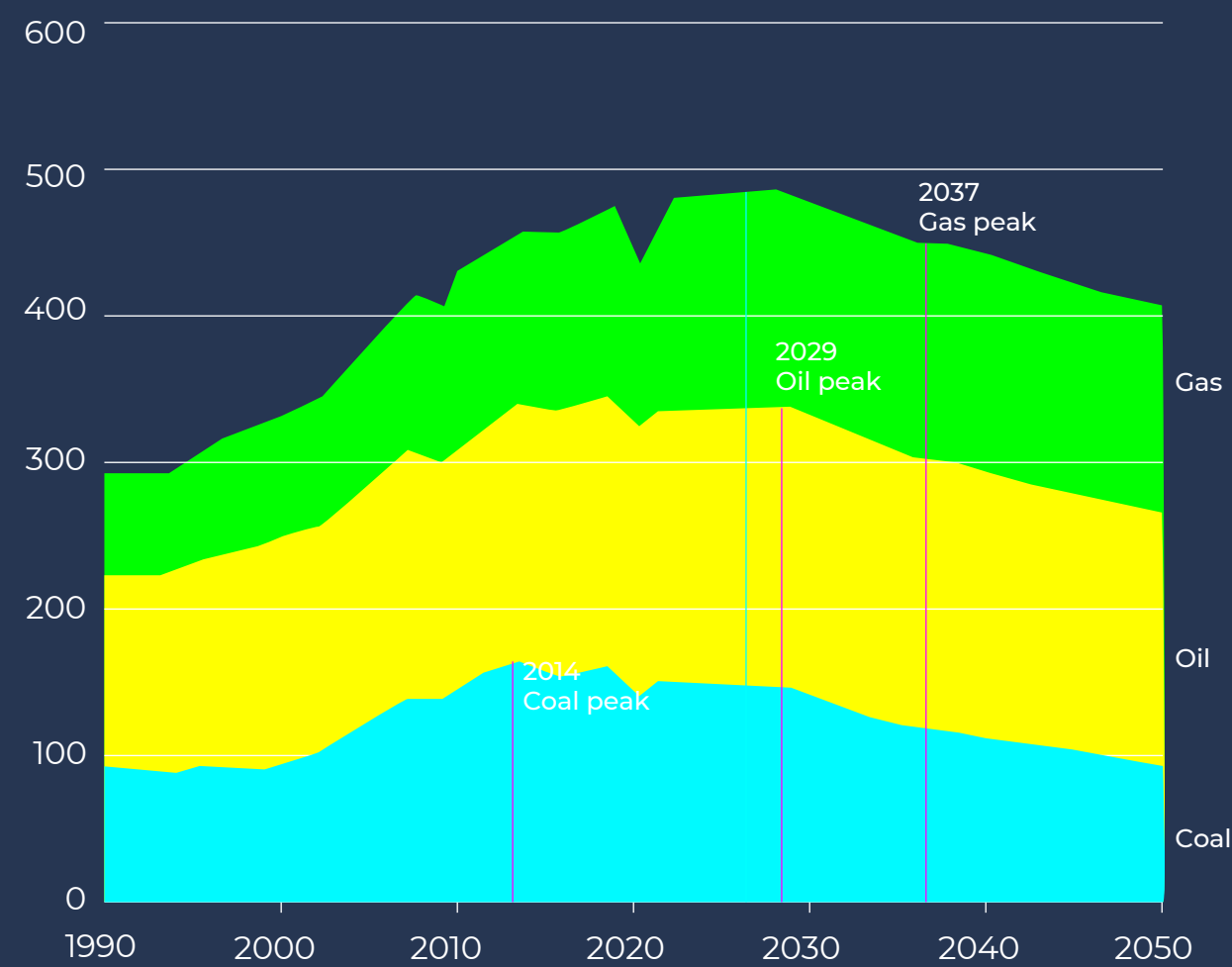
Enabling the Energy Transition



Global Outlook

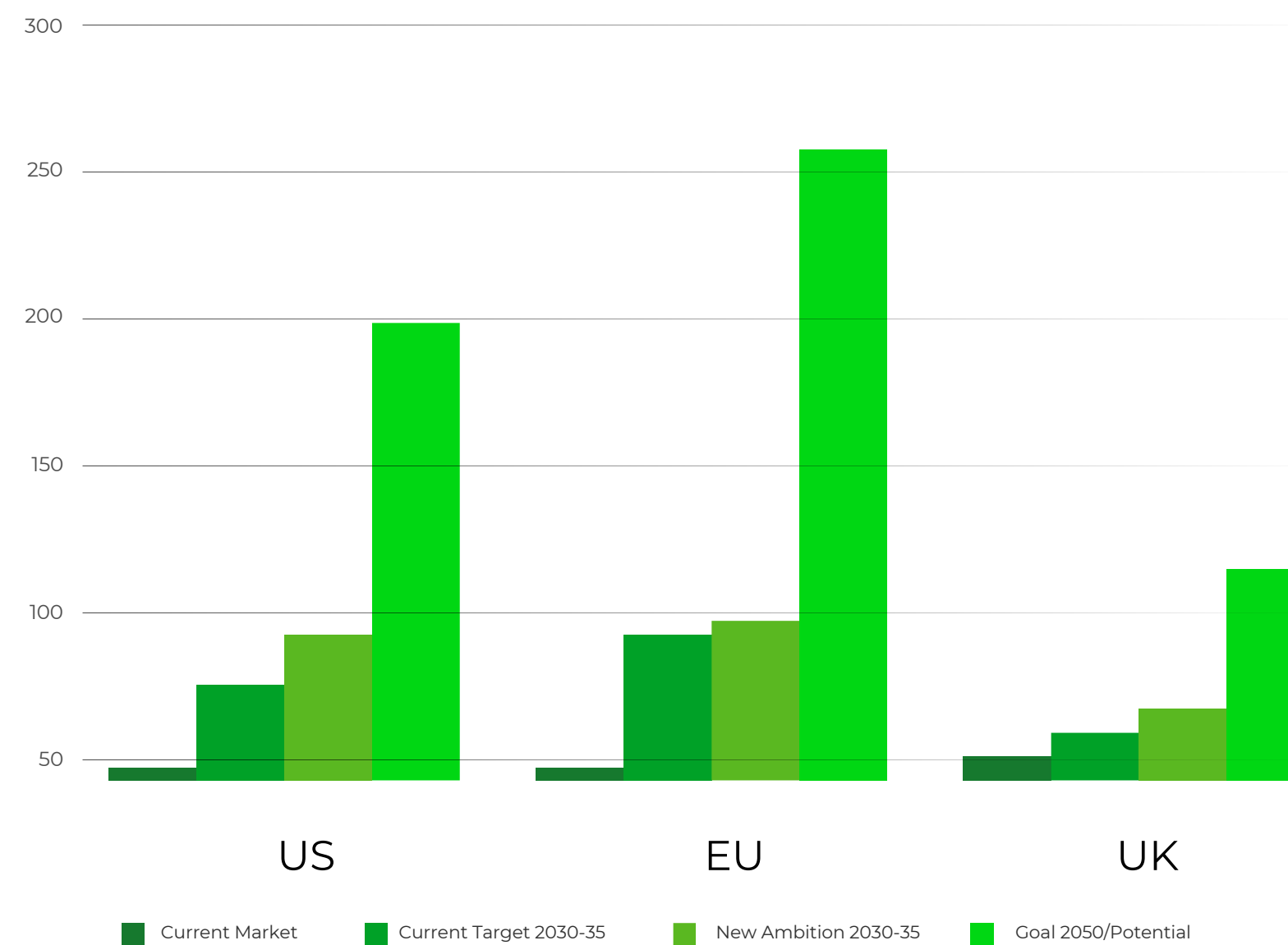
Primary energy demand per fossil fuel, million TJ

Gas continues to play an important role



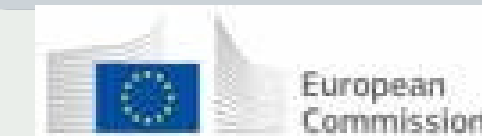
Source: McKinsey Energy Insights Global Energy Perspective 2021, December 2020

US, EU, UK revised Offshore Wind targets (GW)



RECHARGE DAILY

'Paris and much further': Biden to press world leaders to raise climate goals as US returns to fold Biden has pledged to rejoin the Paris Agreement on climate – which the US has only just left at the behest of incumbent Donald Trump – along with a \$2 trillion domestic plan that includes power decarbonisation by 2035 and net zero by 2050



Boosting Offshore Renewable Energy for a Climate Neutral Europe
To help meet the EU's goal of climate neutrality by 2050, the European Commission today presents the EU Strategy on Offshore Renewable Energy. The Strategy proposes to increase Europe's offshore wind capacity from its current level of 12 GW to at least 60 GW by 2030 and to 300 GW by 2050.



Main pillars of our strategy



Electricity

Leading position and wide range of solutions for transmission, distribution, Industrial applications



Gas Fuel / Biogas

Leading position in steel pipes for gas pipelines

Deep o shore pipelines



Wind

Wide range of cable solutions for onshore applications

Wide range of cable solutions for o shore & floating wind parks

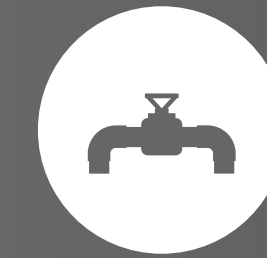
Entrance in wind structures & o shore foundations under evaluation



Hydrogen

Developing technology and new products that enable hydrogen transportation and certification

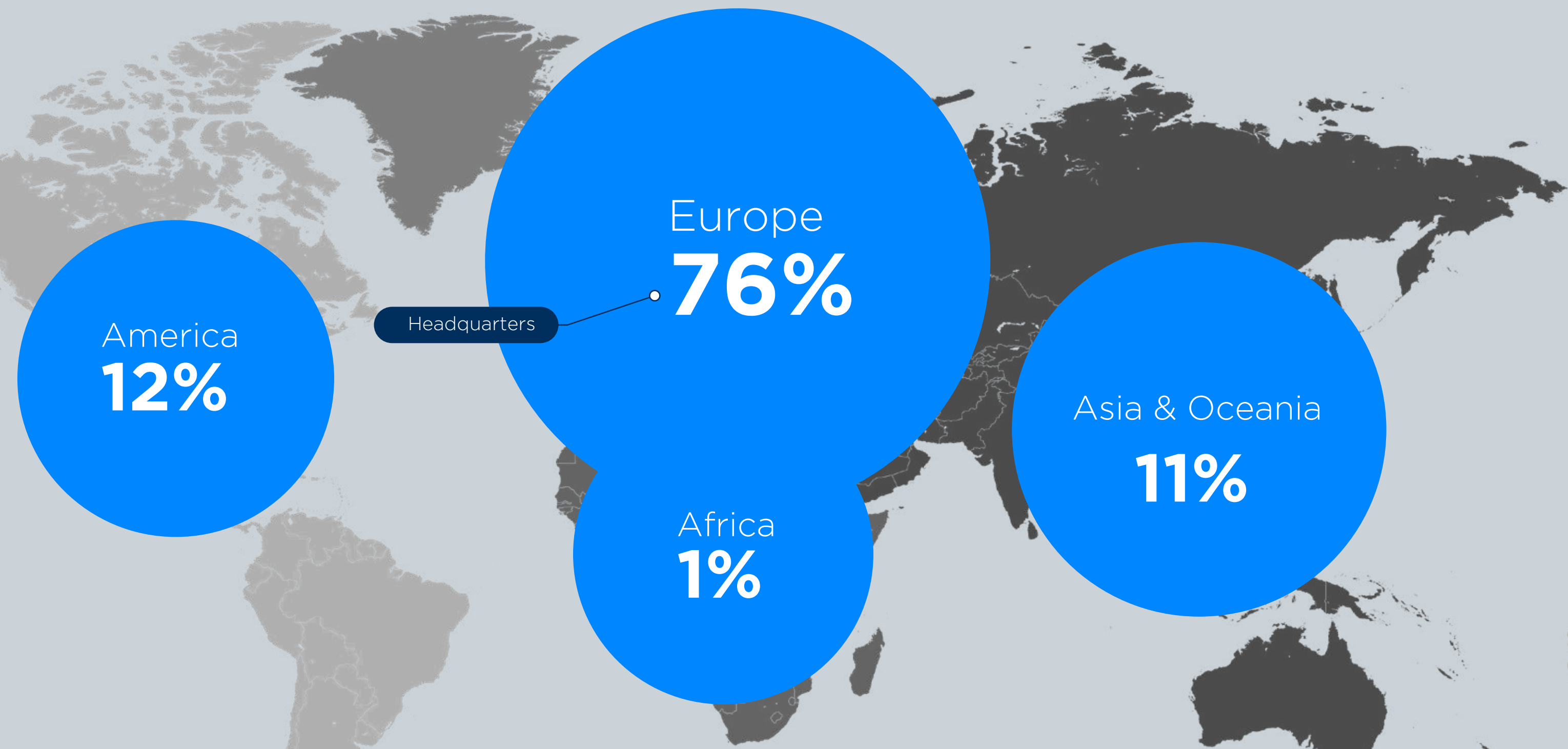
R&D for green H₂ transportation using pipes or cables



CCS

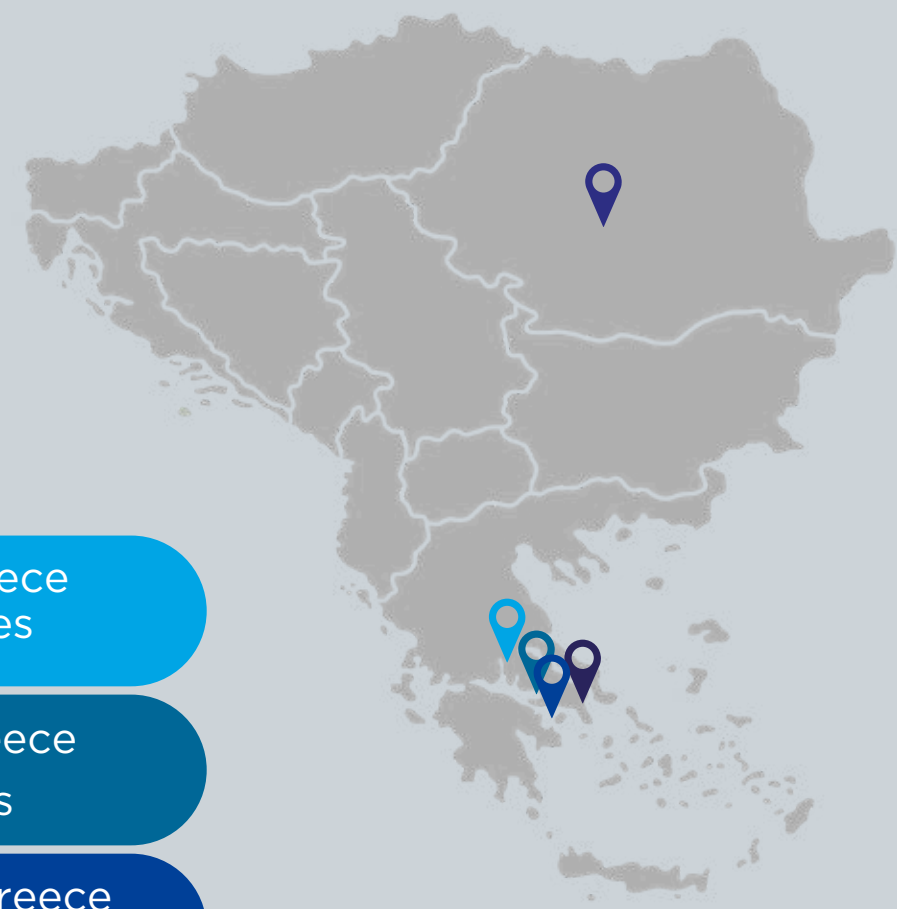
Long Experience in CO₂ pipelines – ready to face the challenge

International Focus

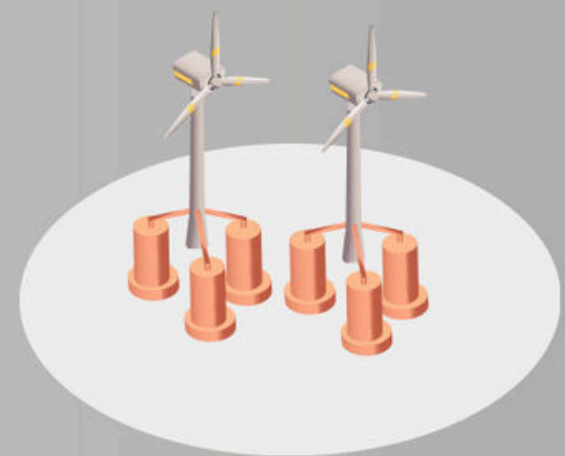


- Sales in **70 Countries**
- Global Sales **Network**
- Sales **70%** Outside Greece

- Thiva, Greece
Land cables
- Thisvi, Greece
Steel pipes
- Corinth, Greece
Submarine cables

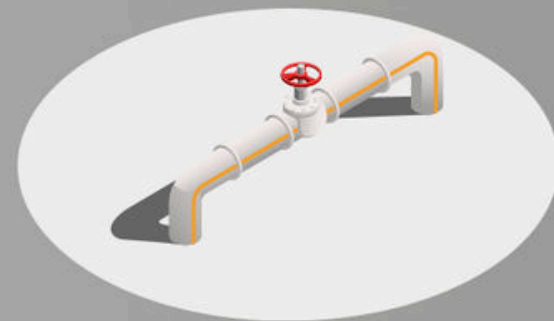


Leading the future – Innovation



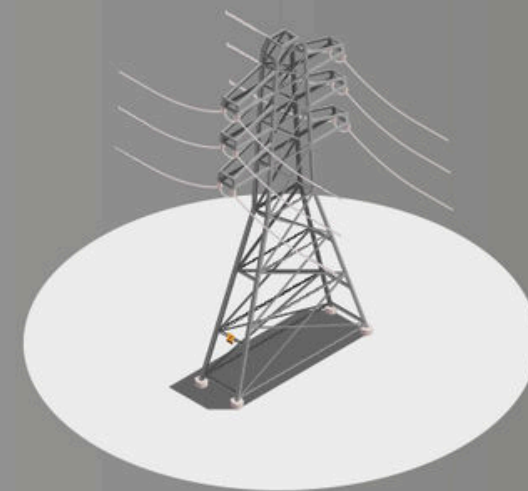
Dynamic cables

Dynamic cables (MV & HV) for Floating wind parks



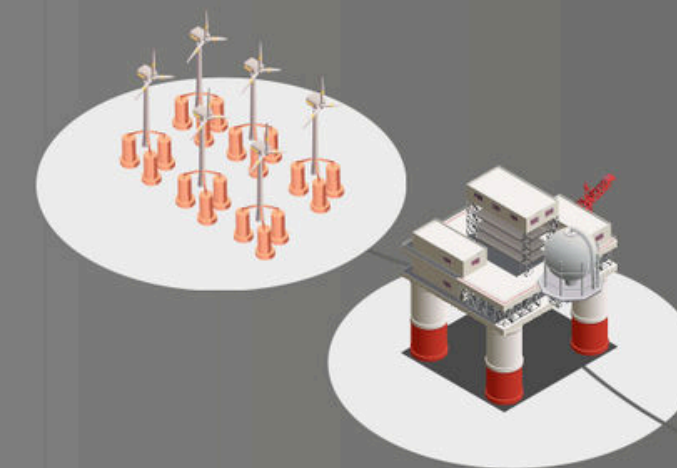
Hydrogen ready network

R&D programs for the safe transportation of hydrogen via certified gas pipelines in existing and new infrastructure



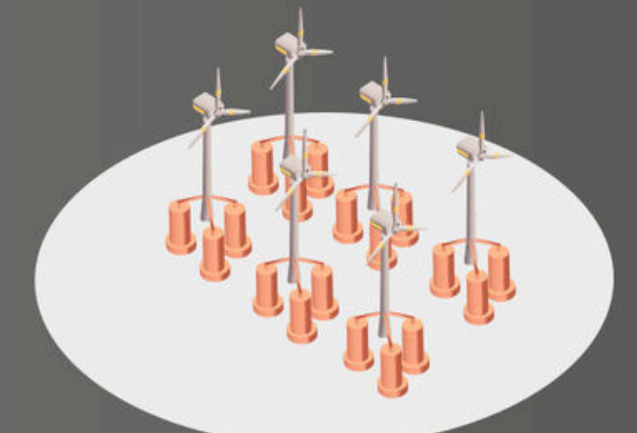
HVDC solutions

Onshore & offshore HVDC systems up to 500kV for long distance power transmission



Green Hydrogen

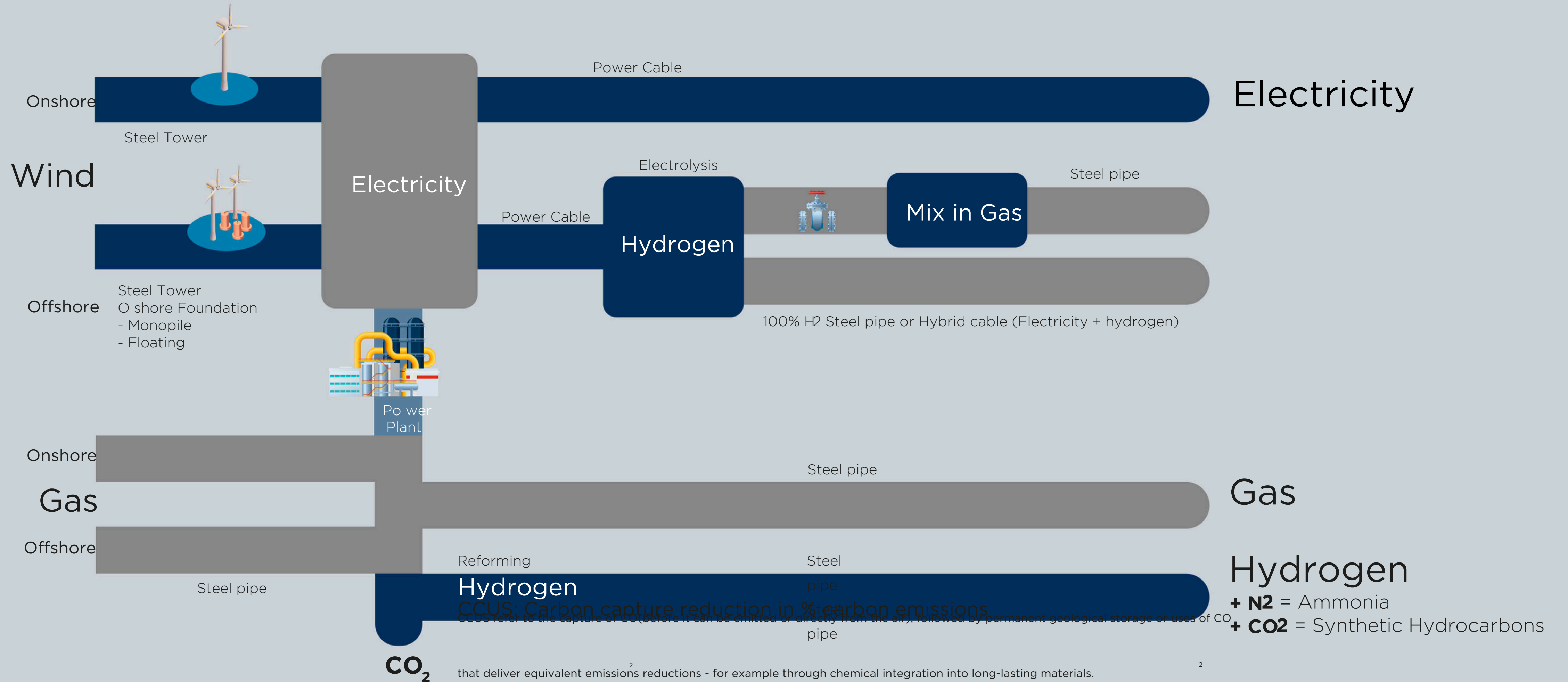
R&D programs for exportation of Green hydrogen produced in offshore wind with the use of steel pipes or innovative cables combining H₂ and Power Transmission



Wind structures- Floating foundation

Program under development for investment potentials of offshore and floating wind. Cooperation for the commercialization of floating foundations

Our integrated approach





ESG is our priority

Environment

- Commitment to ESG roadmap to achieve net-zero emissions
- Improve environmental performance
- Minimize waste
- Apply responsible practices and pollution preventive actions
- Adoption of circular economy practices

Social

- Provide a safe working environment
- Protect our people during the pandemic
- Support local communities
- Empower our people through continuous education

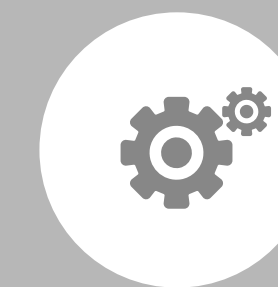
Governance

- Code of Conduct
- Data privacy and protection

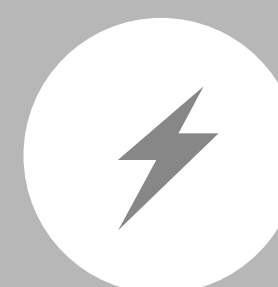
Sustainable Operation



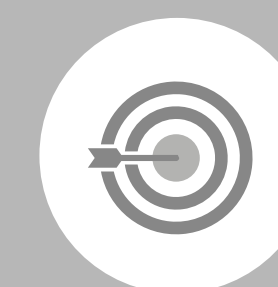
Continuous improvement in material issues by investing human and capital resources



Incorporating circularity principles by secondary metals utilization in cables production



Continuous efforts for energy efficiency and reduction of carbon footprint



Operational excellence program focusing on resource-efficient production



Usage of secondary raw materials



Minimization of production waste landfill disposal



Cables segment



Hellenic Cables at a glance

● **1958** Established

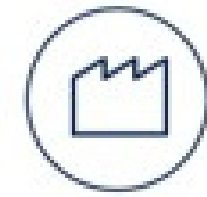
● **160,000** Annual capacity in tons of cables

● **50** Countries (Sales)

● **500** Investments in million € since 2012

- Medium & High voltage cables for Onshore & Offshore wind farms, interconnectors including power supply to O&G platforms.
- Turnkey solutions, Onshore & Offshore. Ultra-deep water capabilities
- Wide range of onshore cables for various applications:
Transmission, Distribution, Industrial, Telecom & Data, Rail

State of the Art Manufacturing

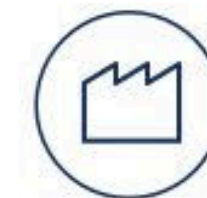


Eleonas Thiva, Greece

Newly acquired industrial site

Area: 246.000m²

Capacity: Under construction



Thiva, Greece
Land cables

Area: 175,000 m²

Capacity: 60,000 t

Capabilities: LV, MV, HV & EHV power cables, FO



Corinth, Greece
Submarine cables

Area: 223,000 m²

Capacity: 50,000 tons of cables and
120,000 tons of wire F8

Capabilities: MV, HV & EHV composite submarine



Cables plant



Supporting production facility



IcmeEcab, Romania
Land cables

Area: 268.000m²

Capacity: 50,000 t

Capabilities: LV & MV power cables,
Telecom cables



Blagoevgrad, Bulgaria
Timber, wooden packaging

Area: 17,000 m²

Capacity: 16,500 t



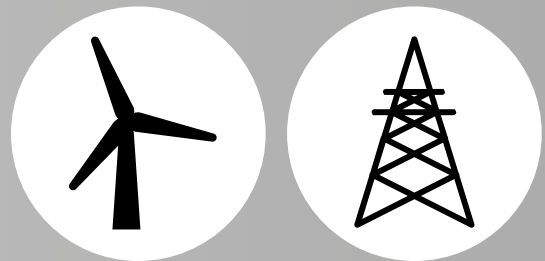
Inofyta, Greece
Compounds plant, R&D lab

Area: 21,000 m²

Capacity: 24,000 t

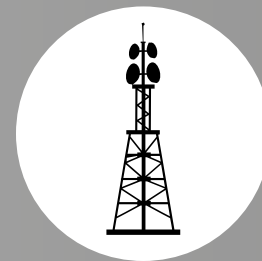


Activities & Products



Energy Transmission, Distribution and Renewables

- Power Cables: LV, MV, HV & EHV
- Submarine & Land
- XLPE, EPR insulated
- Composite power & FO



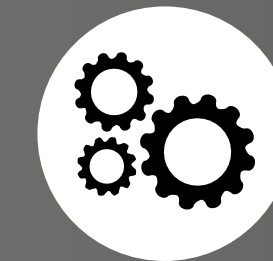
Telecom & data transmission

- Telecom network cables
- Optical fibre cables
- Submarine Optical Fiber cables for Repeaterless applications



Construction & Industrial

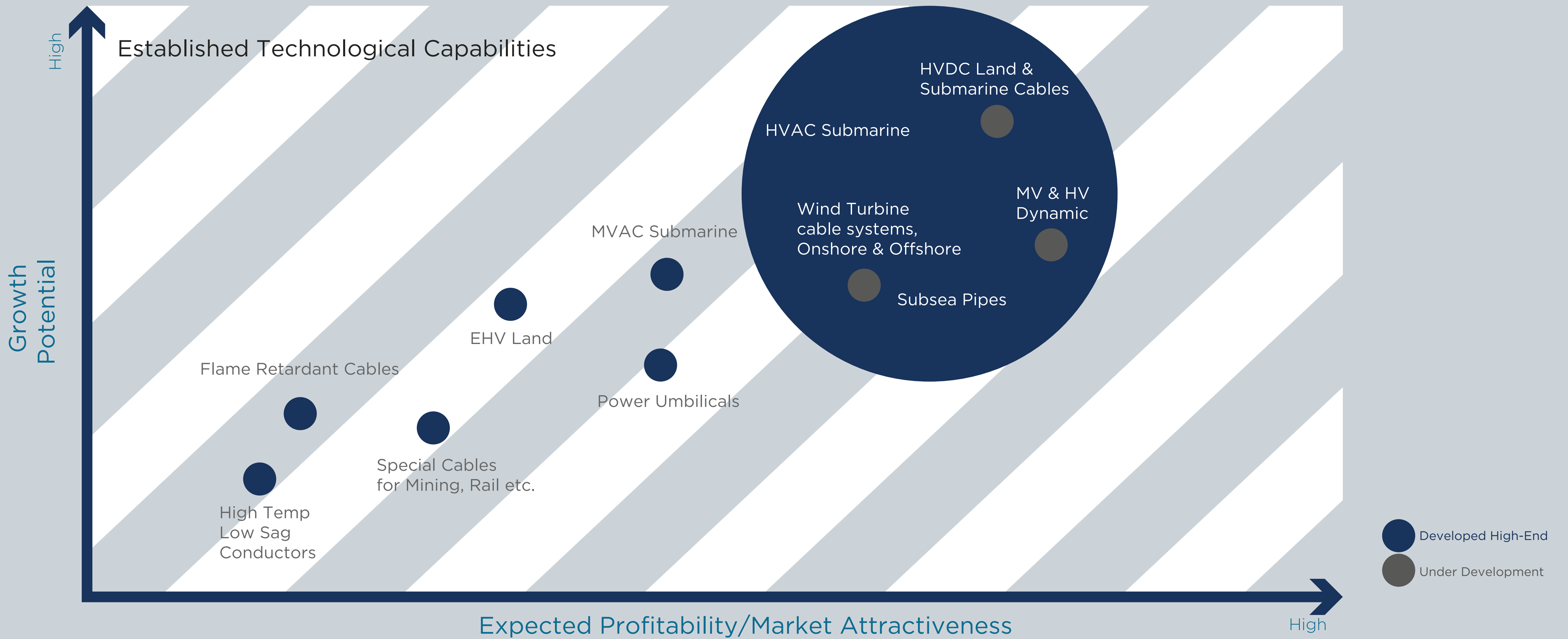
- Rail, Signalling & Control
- High temp, low sag, Flame retardant, Mining
- Wind and Solar



Turnkey Services (onshore & offshore)

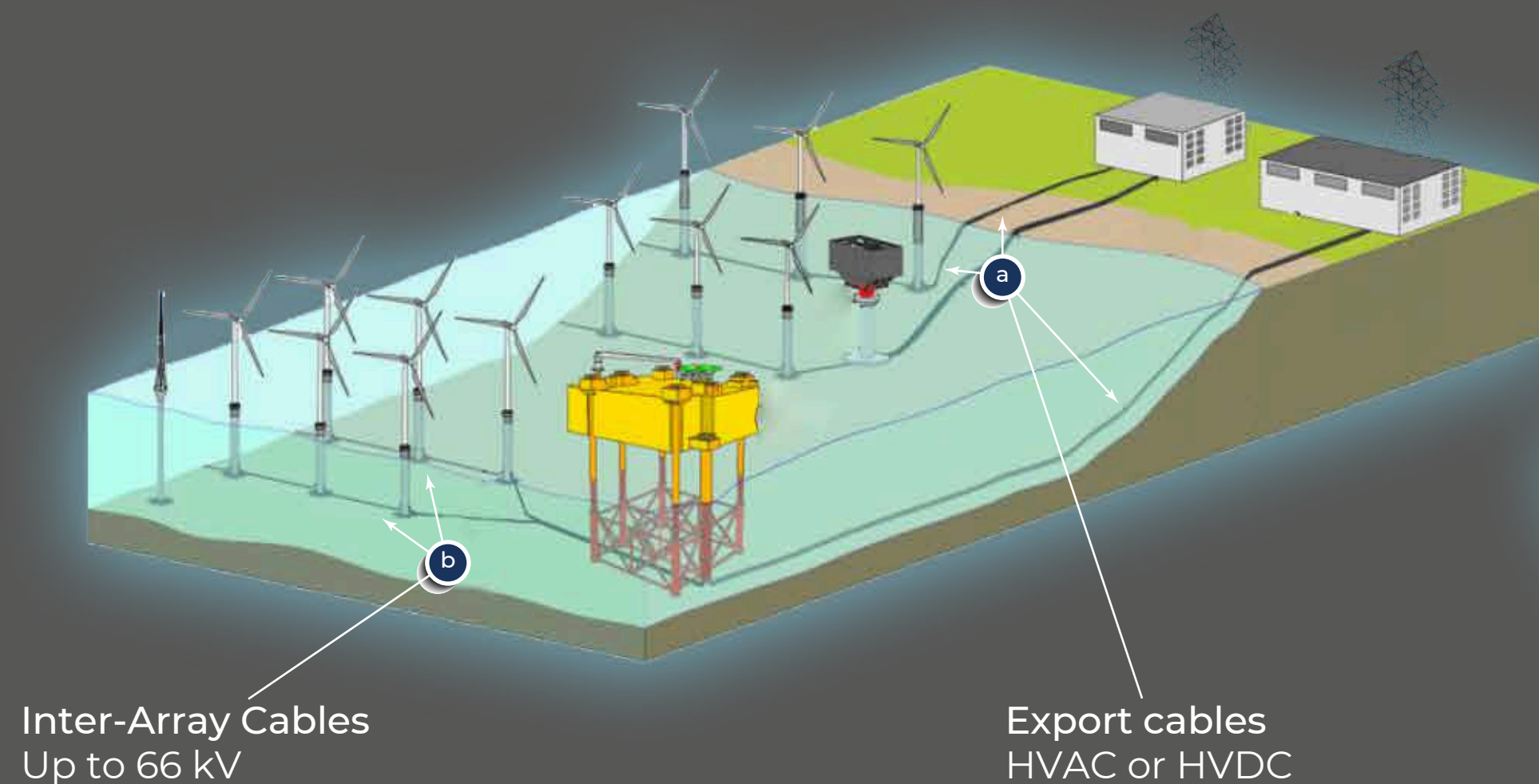
- Route survey
- Design & Engineering
- Manufacturing
- Installation
- Project Management
- Commissioning
- Training & Technical Support

Developing an attractive portfolio

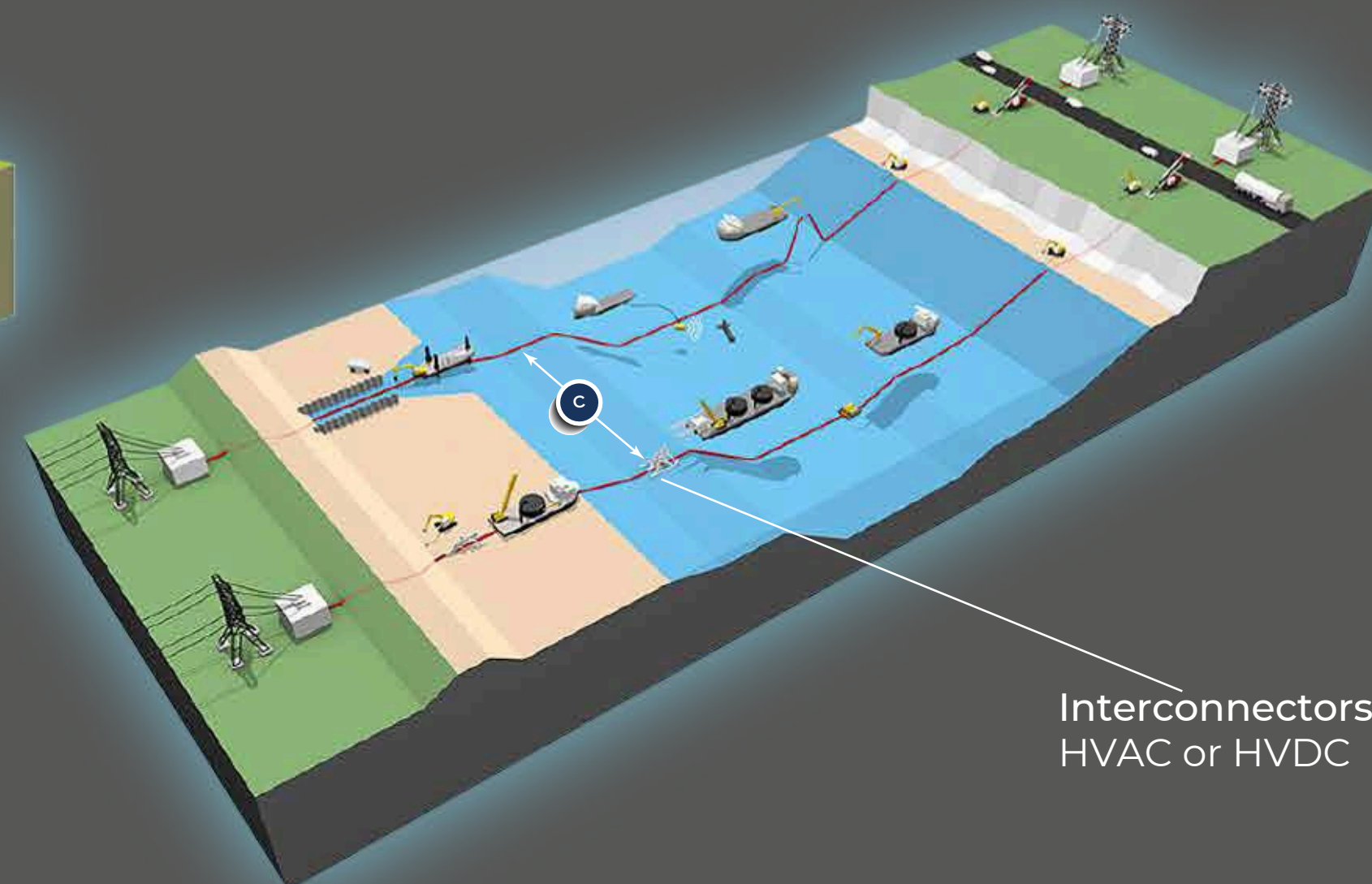


Offshore Positioning

Offshore Wind



Subsea Interconnectors



Strong relations with Developers, Grid Operators and Installers

Offshore wind developers



Grid Operators

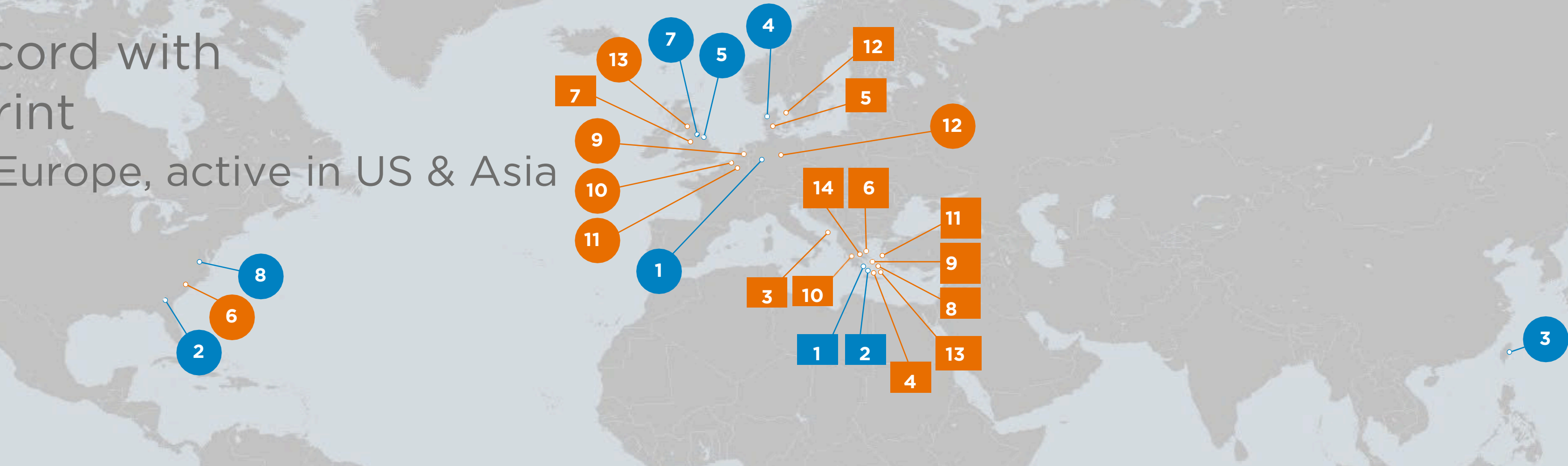


Installers



Solid track record with global footprint

Established in Europe, active in US & Asia



● ● Offshore Wind

	Employer	Project	Country	Km, Type
1	50hertz	Ostwind3	Germany	105 km, 220 kV
2	Orsted	US Frame Agreement	USA	580 km, 66 kV
3	NORHLAND POWER	Hai Long Offshore Wind	Taiwan	140 km, 66 kV
4	VATTENFALL	Vesterhav	Denmark	68 km, 66 kV
5	sse equinor	DOGGER BANK WIND FARM	UK	950 km, 66 kV IAC
6	Dominion Energy	Coastal Virginia ITC	USA	50 km, 66 kV IAC
7	sse TOTAL	Sea green	UK	Up to 326 km, 66 kV IAC
8	Shell OW	MAYFLOWER WIND	USA	Up to 500 km, 66 kV IAC
9	Tennet	HKZ A&B	NL	160 km, 220 kV
10	otary	Seastar-Seamade	Belgium	30 km, 220 kV
11	elīa	MOGI	Belgium	91 km, 220 kV
12	Tennet	Borkum Riffgrund II	Germany	22.7 km, 155 kV
13	e-on	Rampion	UK	36 km, 150 kV

■ ■ Subsea Interconnectors

	Employer	Project	Country	Km, Type
1	ADMIE	Cyclades D & Ionian Sea	Greece	190 km, 150 kV
2	ADMIE	Naxos - Thira	Greece	83 km, 150 kV
3	HOPS	Adriatic Sea Intercon	Croatia	12 km, 110 kV
4	TERNA	Kafireas 2 Wind Farm	Greece	70 km, 150 kV
5	ENERGINET	AMV - SMK	Denmark	11 km, 145 kV
6	ADMIE	Skiathos-Evia Intercon	Greece	30 km, 150 kV
7	sse	Scotland upgrades	UK	80 km, 33 kV
8	ADMIE	Crete-Peloponnese	Greece	135 km, 150 kV
9	ADMIE	CycladesB	Greece	52 km, 150 kV
10	ADMIE	Rio - Antirrio Intercon	Greece	18 km, 400kV
11	enel	Kafireas Wind Farm	Greece	47 km, 150 kV
12	ENERGINET	Oresund Intercon	DK-SWE	16 km, 150 kV
13	ADMIE	CycladesA	Greece	114 km, 150 kV
14	TERNA	St. George Wind Farm	Greece	36 km, 150 kV

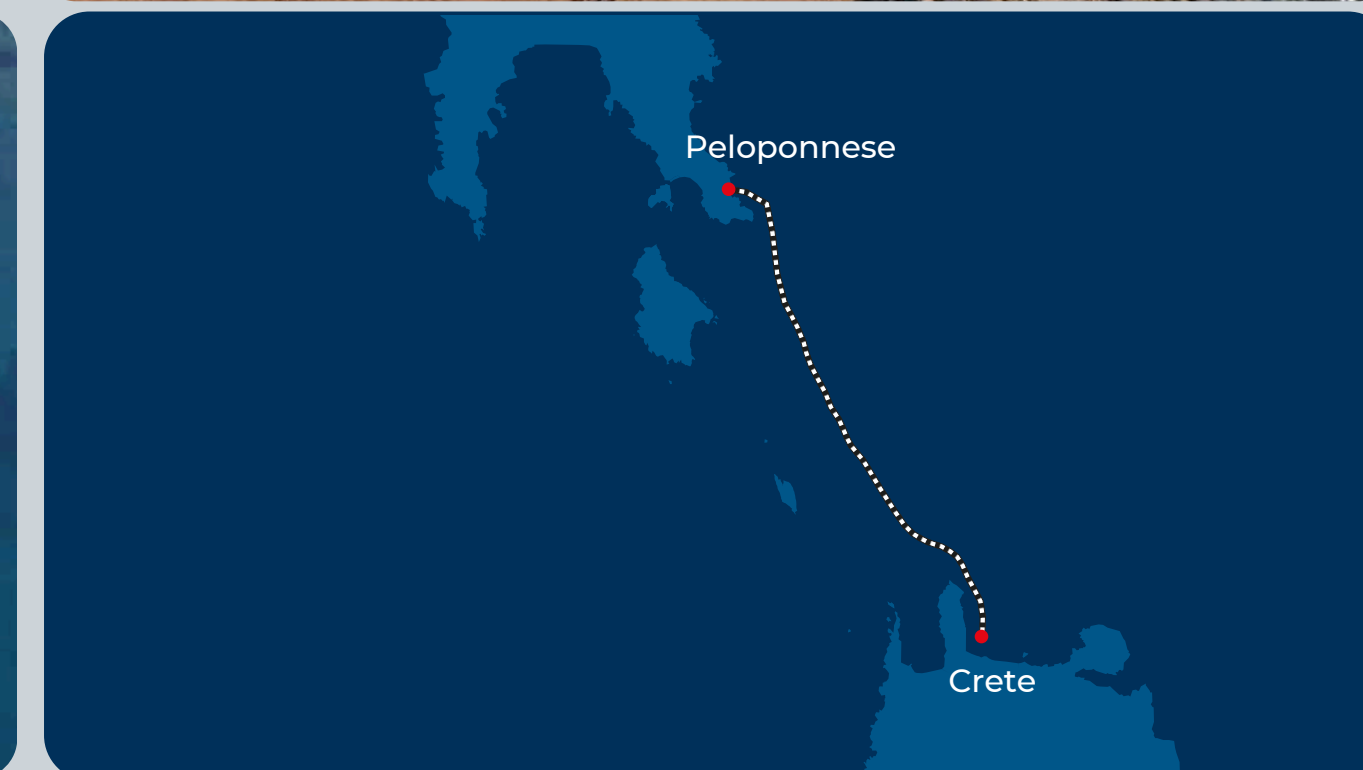
■ on-going
■ completed

Crete-Peloponnese interconnection: The record breaking project



Year : 2018-2020
Customer : Independent Power Transmission
Operator (IPTO S.A.)
Turnkey : Design, supply and installation of a 150kV composite submarine and underground cable system.

The record-breaking interconnection between Crete and Peloponnese is one of the most demanding projects ever completed with the longest HVAC cable system worldwide (approx. 178 Km) and considering the HVAC submarine cable, the deepest one. The laying of the submarine cables was at water depths up to 1,000 m. Hellenic Cables has embedded significant innovations both in the design of the cable itself as well as for its laying.





Steel pipes segment



Corinth Pipeworks at a glance

● 1969 Established

● 925,000 Annual capacity in tons

● 55 Countries (Sales)

● 180 Investment in million € since 2012


○ Steel pipes for onshore & offshore energy projects and hollow sections for construction sector

○ Widest production range of steel pipes & downstream operations all in one location


○ Manufacturing, Coating, CWC, labs and port facilities (exclusive use)

Our Activity

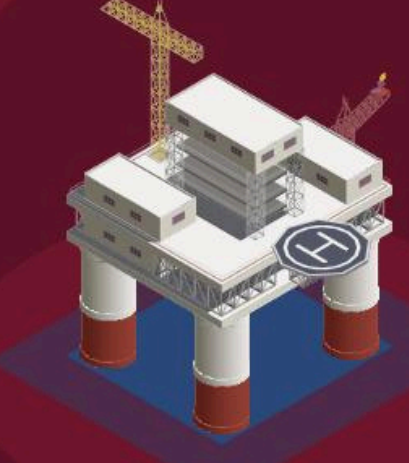
Gas & liquid fuel



Onshore pipeline




Drilling & extraction




Offshore pipelines


Construction



Hydrogen

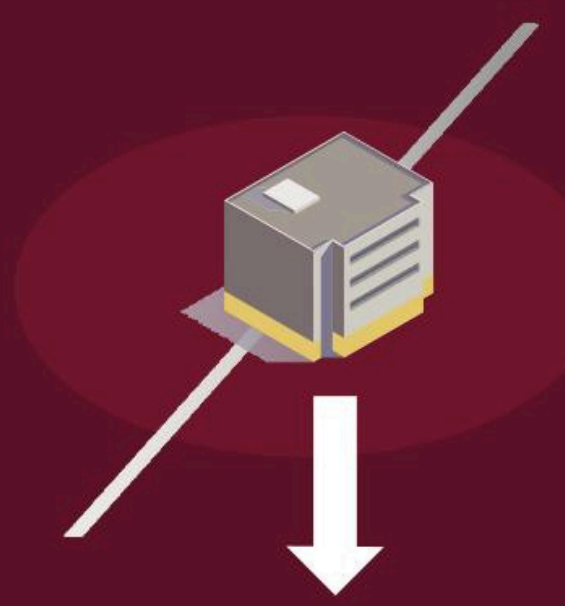


Electrolysis



Hydrogen pipelines

CCS (Carbon Capture & Storage)



CO₂ pipelines

Our Customers



Worldwide presence

North America
8,500Km

Europe
9,000Km

CIS & Asia
400Km

Middle East
2,500Km

Africa
4,400Km

Central & South America
500Km

Project GoM offshore projects
Location Gulf of Mexico
Type Gas & carrier, Offshore
Length (km) >200

Project Plains all American
Location USA
Type Onshore oil & gas
Length (km) > 2,000

Project Snam projects
Location Italy
Type Gas, onshore
Length (km) >1,500km

Project CCS projects
Location Netherlands, USA
Type CO2 carbon capture & storage
Length (km) ~50

Project Reel lay projects
Location North & Norwegian sea
Type Gas & carrier, Offshore reel lay
Length (km) >800

Project Baltic interconnectors
Location Denmark, Finland, Estonia
Type Gas
Length (km) >235

Project Karish gas export pipeline
Location SEMed
Type Gas, Offshore deep (max 1,750m)
Length (km) 100

Project Hydrogen certified pipelines
Location Italy, Greece, Poland, Australia, Netherlands
Type Gas up to 100% Hydrogen
Length (km) >700

Project Trans Adriatic Pipeline
Location Greece
Type Gas, Onshore gas
Length (km) 495

- Offshore
- Onshore
- Hydrogen certified
- Carbon Capture &
- Storage

Steel pipes segment

All in one location



Port



CWC



Pipe mills	Coating Solutions	Supporting / downstream
------------	-------------------	-------------------------

- | | | |
|--|---|---|
| <ul style="list-style-type: none"> 1. HFIW 2. SAWL 3. SAWH 4. HFIW | <ul style="list-style-type: none"> 5. Coating mill 6. Coating mill 7. Lining mill 8. Concrete Weight coating facility (CWC) | <ul style="list-style-type: none"> 9. Port facilities (exclusive use) 10. Weld on Connectors 11. Accredited testing center with a new state-of-the-art hydrogen testing laboratory |
| | | <ul style="list-style-type: none"> 12. Storage areas 13. Double Jointing facility |

Developing the infrastructure of the low carbon energy future

Hydrogen

Our technologically advanced solution for hydrogen certified pipes, is further supported with a new, state-of-the-art, hydrogen testing laboratory



They are the first, newly manufactured, pipes certified to transport up to 100% hydrogen for a high-pressure transmission gas pipeline in Europe.

Country: *Italia*



West Macedonia and North Macedonia pipelines (Nea Messimvria) are part of the European Hydrogen Backbone, Europe's hydrogen infrastructure needed to achieve its climate and energy objectives.

Country: *Greece*



High-pressure gas pipeline from Gustorzyn to Wronow.

Country: *Poland*



Jemena has selected to utilize Corinth's solution of high-grade steel pipes for the future transmission of up to 100% hydrogen.

Country: *Australia*



N05-A project offshore gas pipeline shall be ready for the future transportation of up to 100% hydrogen. The platform will run entirely on renewable energy

Country: *Netherlands*



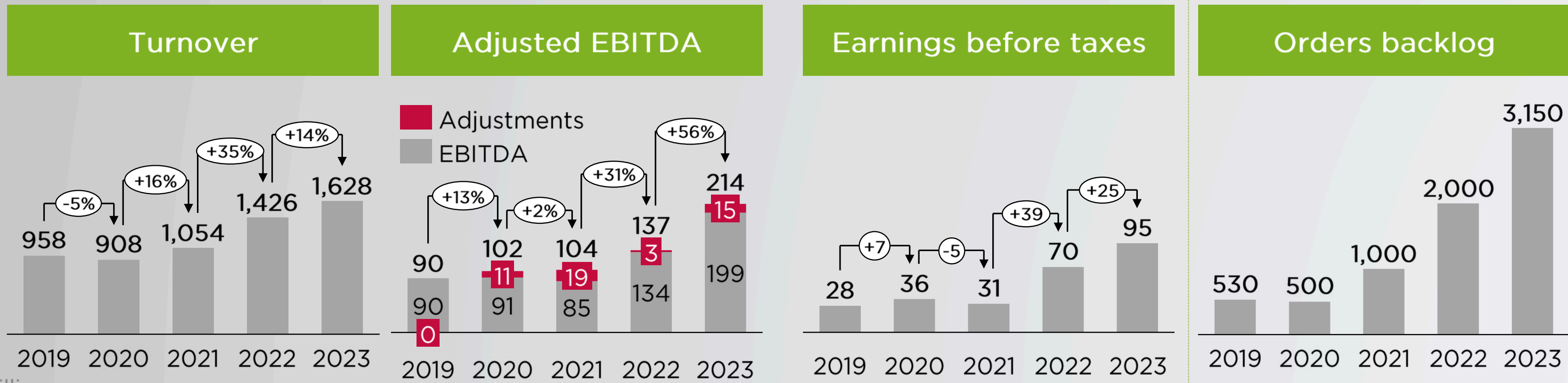
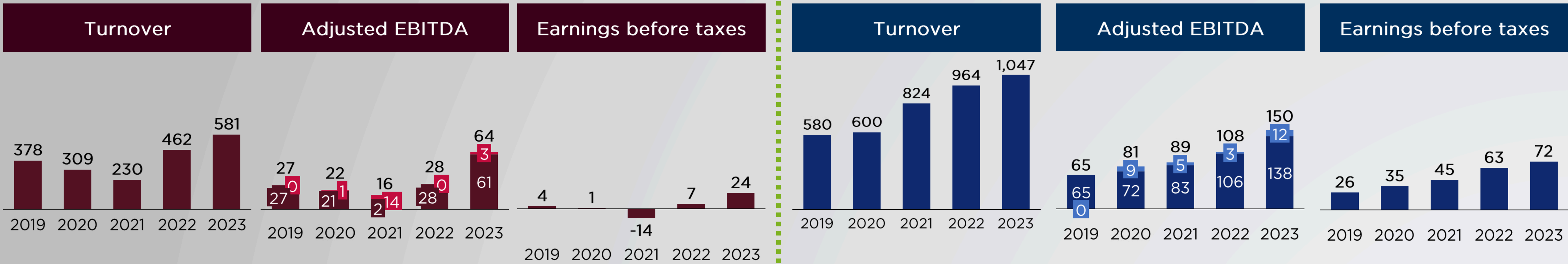
Porthos project intends to permanently store CO₂ from industry in the Port of Rotterdam in empty gas fields deep beneath the North Seabed. It is the first offshore CCS project using welded pipes

Country: *Netherlands*

The background of the image is a blurred financial chart with multiple colored lines (red, blue, green, orange) and a candlestick pattern. A solid green brushstroke is positioned above the text. The text "Financial highlights" is centered in white.

Financial highlights

Financial performance

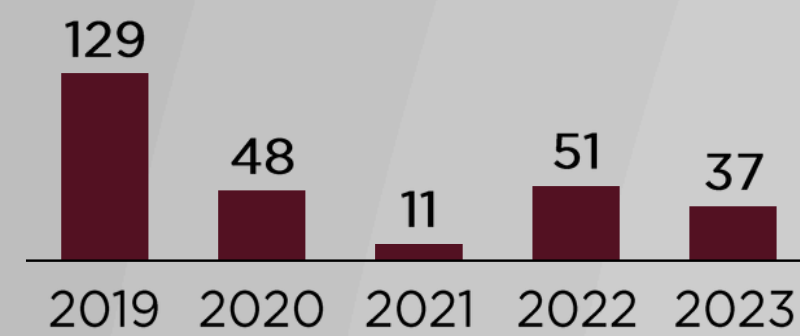


Amounts in EUR million

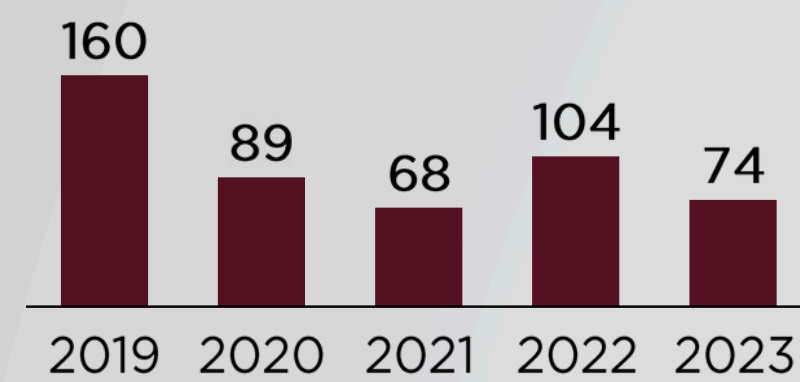
Evolution of leverage



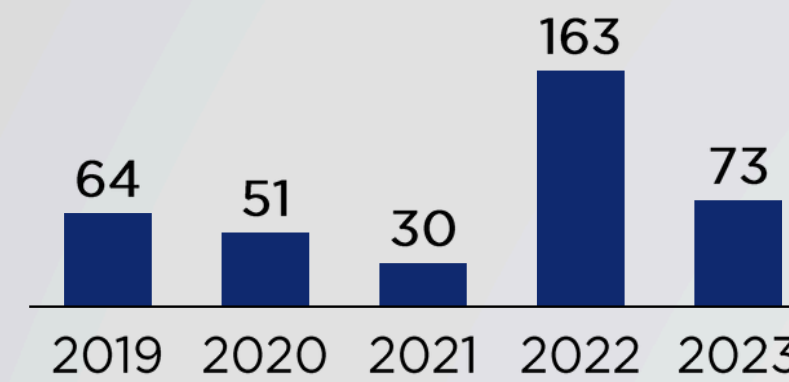
Working Capital



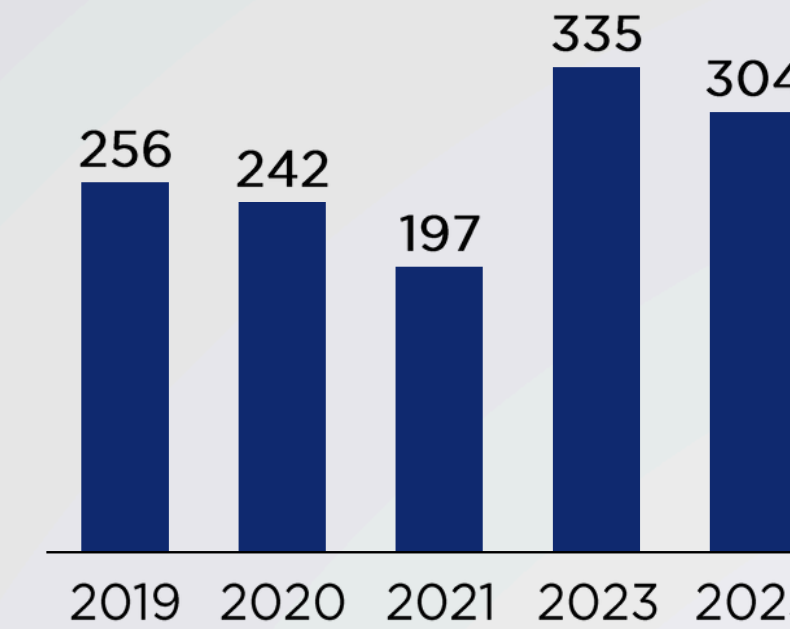
Net Debt



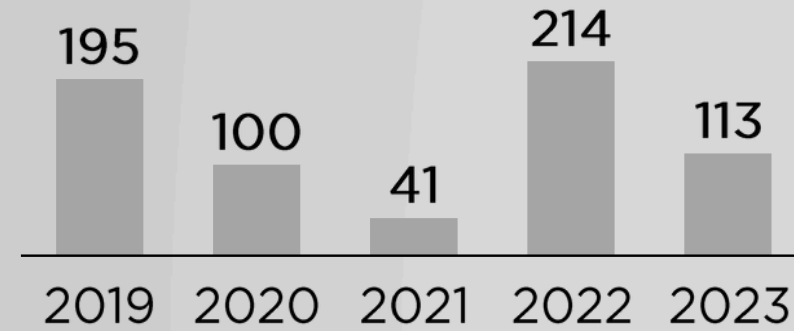
Working Capital



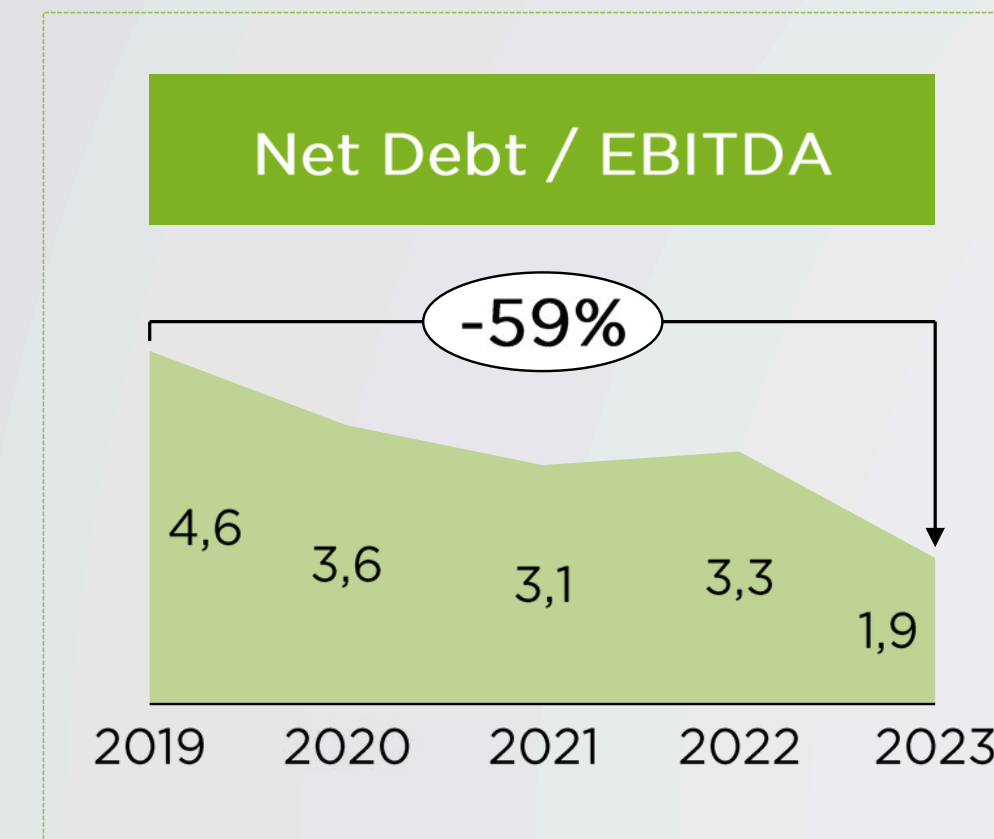
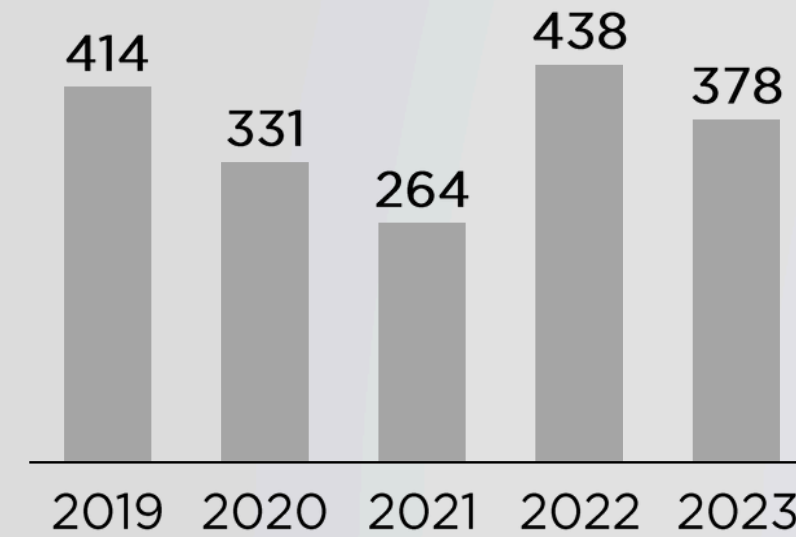
Net Debt



Working Capital



Net Debt



Amounts in EUR million

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- Competition;
- Legislative and regulatory developments;
- Global macroeconomic and political trends;
- Fluctuations in financial markets conditions;
- Delay or Inability in obtaining approvals from authorities;
- Technical developments;
- Litigation; and
- Adverse publicity and news coverage.

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The world runs on Cenergy

