

Sustainability Week

The role of cable in a Sustainability Challenge

Prysmian
Group

Agenda

01
**ENERGY FOR
THE FUTURE**
5 GAME CHANGERS

02
**THE ROLE OF
CABLE**
IN THIS NEW CONTEXT

03
**MARKET
OUTLOOK**
CABLE FOCUS

04
EPCI ROLE
PRYSMIAN STRATEGY

05
**SUCCESS
FACTOR**
INNOVATION &
SUSTAINABILITY

5 Game changers

The electrification of the future is a measure of how well we will be able to meet the challenges of the present, there is a need for everyone to do their part and for industry players to act as a network of partners



Raise the game on clean and renewable power

16x

Solar PV and wind power are expected to play the largest role, together growing **by 16 times** from 2020 to 2050



SOLAR PV

710
Gw 2020

22X

15.468
Gw 2050



ONSHORE WIND

697
Gw 2020

9X

6.195
Gw 2050



OFFSHORE WIND

34
Gw 2020

47X

1.600
Gw 2050

Strengthen grids, the backbone of the transition

Timely and efficient integration of renewables requires a reversal of the decline in crucial infrastructure investment. Activating key integration levers to create system flexibility will reduce overall need for capital build and unleash system value outcomes.

01

SYSTEM OPERATOR NEW ROLE

Create an intelligent dispatching model that connect **demand and decentralized supply** collaborating also with DSO's



02

MANAGE NEW ANCILLARY SERVICES

Manage new ancillary services with the aim to rising grid resiliency/frequency/balancing reducing congestions and bottlenecks



03

DIGITAL INFRASTRUCTURE

Applying advanced system management to optimize the Network



04

INVESTMENT DECISION MAKING

Select projects with the highest cost benefit analysis



NEW CHALLENGE FOR TSO'S

0,8 Tn USD, 2050

Clean energy grid investment in 2050 (0,3 Tn USD in 2020)



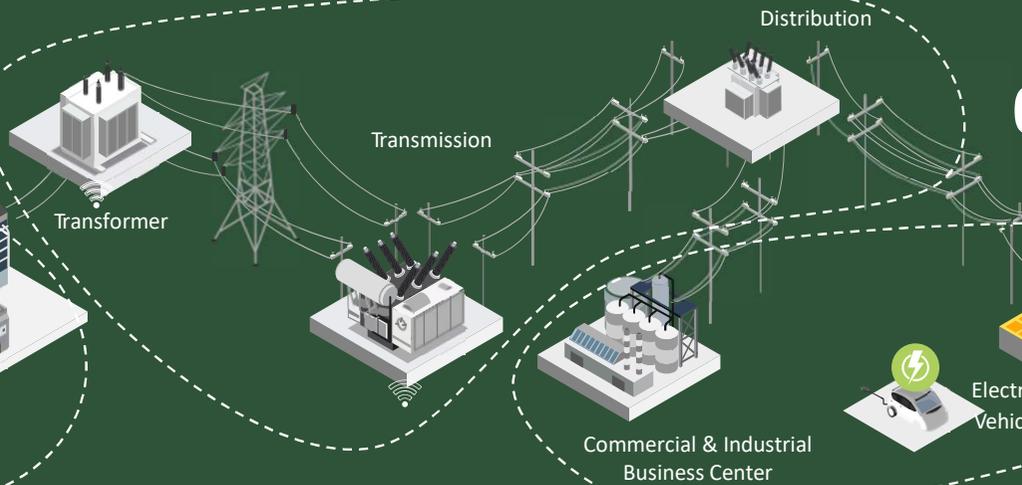
The role of cable in the electrification

From the cable will pass all the **Energy Transition**. The only **carrier** that can guarantee the **electrification of people's ways** and uses in a **sustainable world**

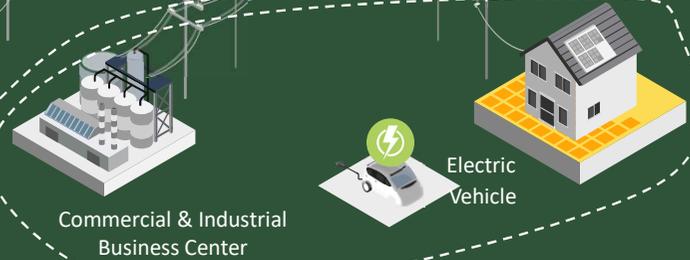
01 | GENERATION



02 | GRID

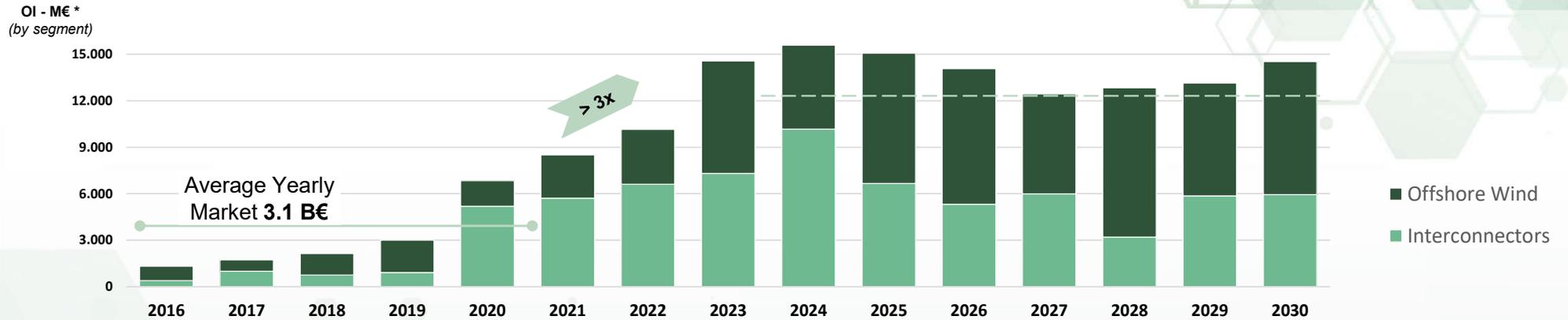


03 | CONSUMPTION



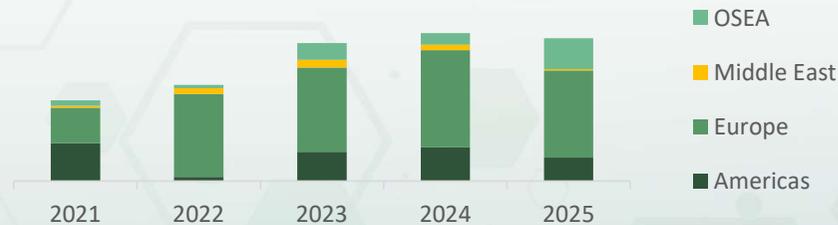
The Cable Market Outlook

OWF and Interconnectors Market is Booming and is reaching a yearly average above 13 €Bn



Split Over the 5 Years with Comparison with previous 5 years

66% Europe (x2 Market Growth)
19% US (x10 Market Growth)
15% OSEA & Middle East (x3 Market Growth)



On top of Above Market OI projections, we expect **Frame Agreements Awards above 10 €Bn in 2023**

The main factors of the growth are represented by **Energy Transition and Technology advancement**

The keys to success

In this ever-changing environment we need to **focus on investments in technological progress**, always anticipating market needs, and on a **sustainable approach to the business**

01

INVEST IN TECHNOLOGY AND INNOVATION

±525 kV

high power cable systems designed at a higher voltage level and with large conductor cross-sections to provide optimal technical solutions for long distance

DYNAMIC CABLES FOR FLOATING

OFFSHORE APPLICATION which have an enhanced ability to withstand mechanical fatigue over the entire expected life of a system

LIGHT WEIGHT ARMOUR FOR HIGH DEPTH APPLICATIONS which is 30% lighter than steel

02

ADOPT THE SUSTAINABILITY



A- world Score Climate Change
B Score Water Security



Included STOXX Italy **45 ESG-X**
and STOXX Europe **600 ESG-X**



87/100 – 3rd in ELQ
(Electrical Components & Equipments)

2022 Data

Technology at the core of Prysmian culture



107mln

Invested in Research Centre

298

Product families launched in 2021

5.600

Patent covering the main innovation

50

Collaboration with research centres and universities

26

R&D Centres

900

Professionals

SUSTAINABILITY EMBEDDED IN INNOVATION

“Innovating in support of Energy Transition, Digitalization and Sustainability is our strategic priority. In order to intensify exchange and discussion with the entire value chain, we have invested in the creation of an ecosystem and a multi-stakeholder partnership.

Focus on sustainability is key, therefore we aim to improve our footprint in terms of energy efficiency and waste management; to improve the working environment for our associates through investments in health, safety and wellbeing, innovating our spaces; to foster energy transition and digitalization.”

Sustainability at the core of EPCI Business Model

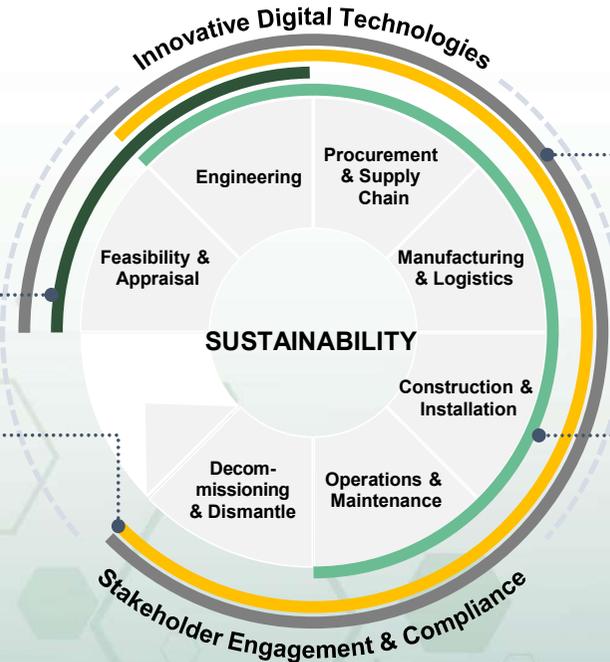
The capital projects sustainability framework focuses on **four core pillars** for achieving enterprise' sustainability goals driven by successful execution of capital projects

Effective sustainable design is a comprehensive approach to **select & integrate products/processes for building sustainable assets**

DESIGN FOR FUTURE
OPTIONEERING & SUSTAINABLE DESIGNS

Developing “de-footprinting” initiatives (e.g net zero factories and vessels) by viewing ESG as a strategic opportunity and embed in its core processes

FOOTPRINT NEUTRALITY
CARBON, WATER, WASTE, BIODIVERSITY



INCLUSION & ETHICS
INCLUSIVE WORKSPACE

Promoting inclusion both inside the company and between the company and the communities, respecting their own code of ethics and that of the locality where the company operates together with clients

CARE ABOUT THE SUPPLY CHAIN
LOCAL CONTENT, SUPPLIERS SUSTAINABLE DEVELOPMENT

Be the driver for sustainable change in its supply chain **working together with our partners to find best solution to decarbonize products and services**

ENABLERS

Digital Technology

Digital technology is a true enabler of sustainability by two-fold imperative: to use technology more sustainably, and to use technology as a vehicle for being more sustainable

Stakeholder Engagement & Compliance

Stakeholder engagement & integration is a necessity for enablement of a policy, procedure and effective implementation through robust governance