

**Nexans**  
ELECTRIFY THE FUTURE

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**WINDS  
OF  
CHANGE**

17 FEBRUARY 2021



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WHAT TO CHANGE?

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HOW TO CHANGE?

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NEW FINANCIAL TRAJECTORY

01

GENERATION  
& TRANSMISSION

02

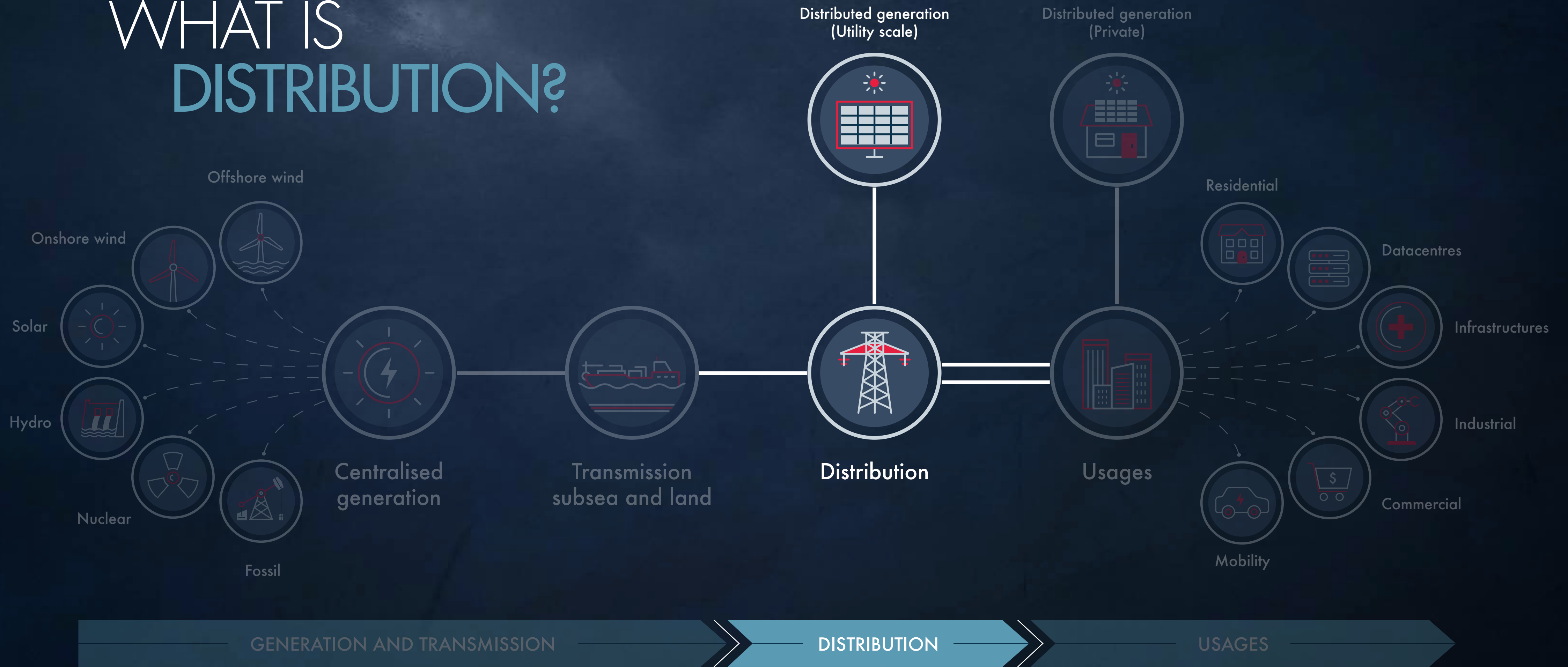
DISTRIBUTION

03

USAGES



# WHAT IS DISTRIBUTION?



# A GROWING ENERGY DEMAND BUT THROUGH AN AGEING GRID ASSET



**DISTRIBUTION**  
DISTRIBUTION & UTILITY  
SCALE DISTRIBUTED  
GENERATION

## GROWTH DRIVERS

**+1.8 BILLION**  
inhabitants to have access  
to electricity by 2030

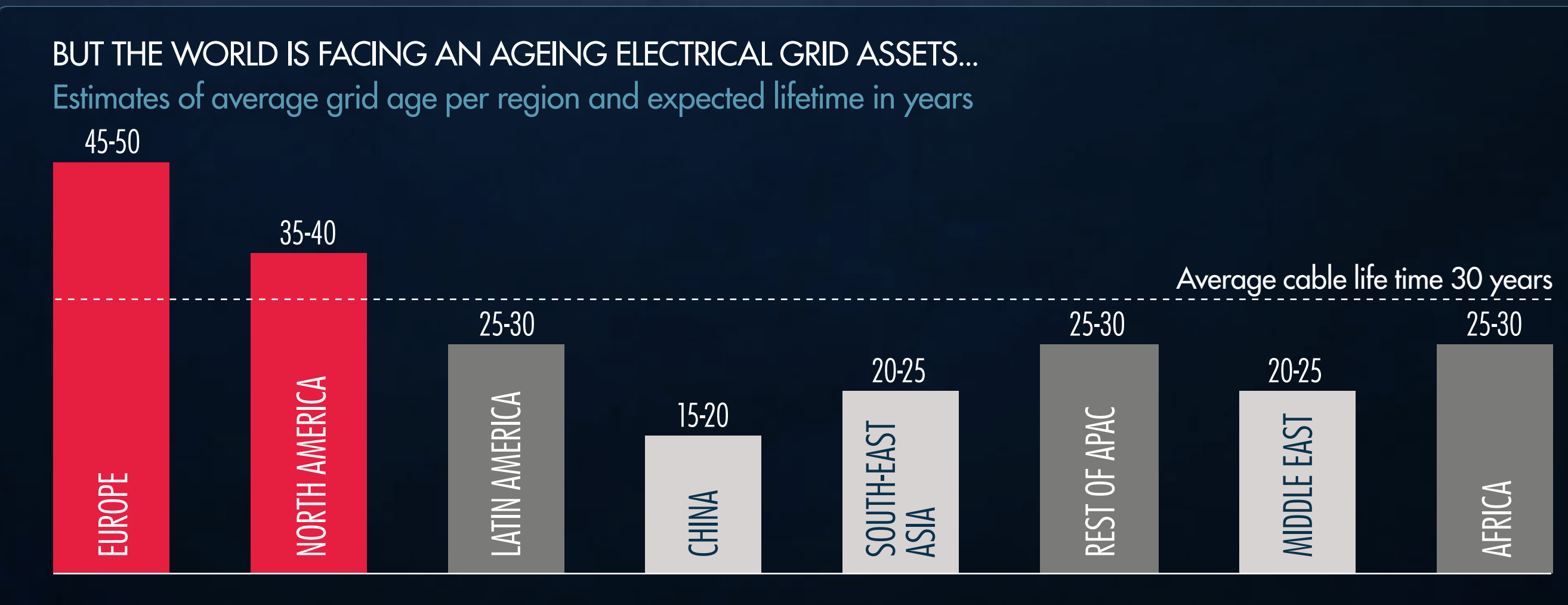
**+17%**  
additional electrical energy  
to be produced in 2030  
compared to 2019

**X2.6**  
renewable electricity  
capacity by 2030

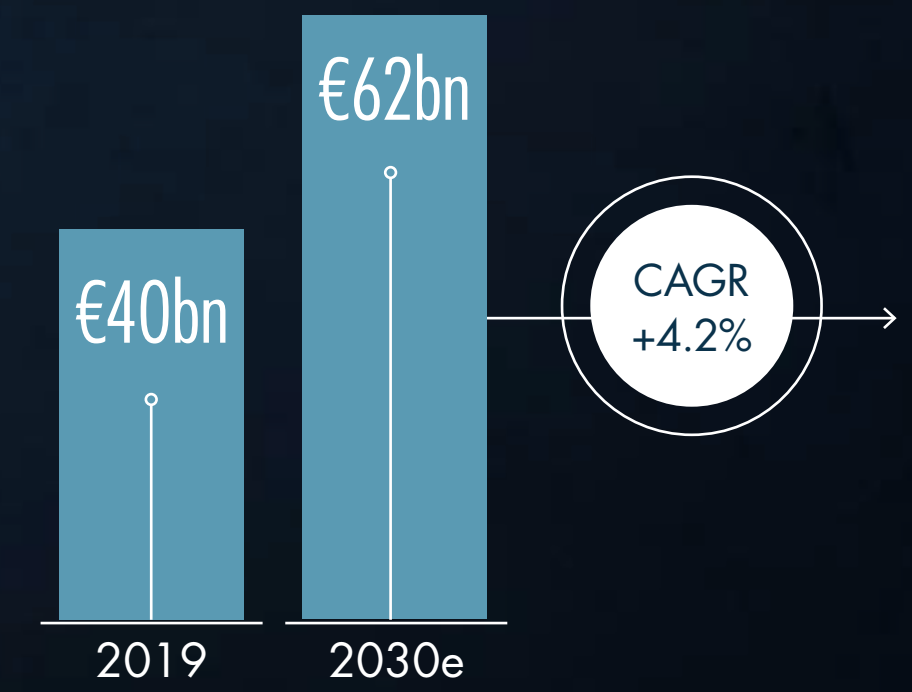


## INVESTMENT

**€4.4tn**  
to be invested from 2020 to 2030  
for electrification, renewables  
& network replacement



## CABLE MARKET FORECAST





# STRENGTHEN THE DISTRIBUTION NETWORK

## SECURE GRID SOLUTIONS TO FACE THE GROWTH AND REPLACEMENT





# TURNKEY SOLUTIONS TO CONNECT UTILITY SCALE RENEWABLE FARMS



## STOCKYARD HILL WIND FARM

149 turbines, 540MWp, 1350GWh, Australia

**-7%**  
CAPEX

**-9.1%**  
20 years TCO vs.  
Standard Blueprint

## IMPROVE TOTAL COST OF OWNERSHIP THROUGH GRID ENGINEERING

Nexans brings end-to-end solutions to connect utility scale renewable farms connection to the grid. We combine a unique architecture design know how with, installation, civil work, cables, active & passive accessories.

### AN END-TO-END SOLUTION

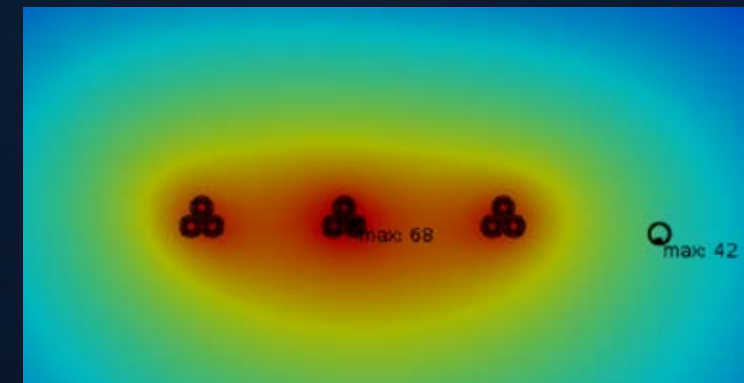
ARCHITECTURE DESIGN

CABLES

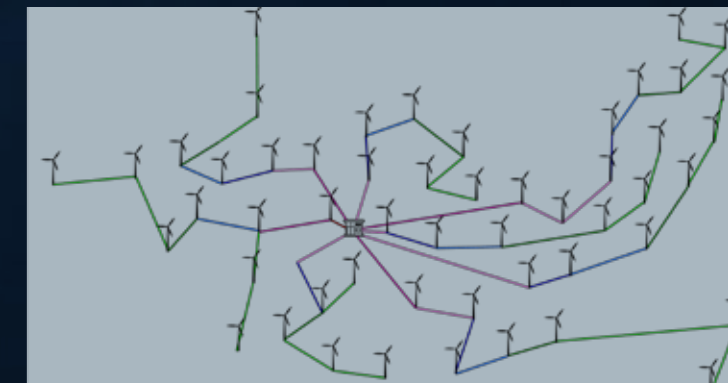
ACCESSORIES

INSTALLATION

### ARCHITECTURE DESIGN: A UNIQUE KNOW HOW TO OPTIMIZE THE COLLECTOR DESIGN



CABLE SIZING



LAY-OUT OPTIMIZATION



ARCHITECTURE

- Reduce losses to optimize power output
- Reduce total CAPEX
- Support arbitration on the OPEX vs. CAPEX balance
- Reduce risk of electrical failure through more resilient designs



# NEOGRID® TURNKEY SOLUTIONS FOR ELECTRIFICATION

Nexans NEOGRID® offer is dedicated to emerging area searching solutions to electrify safely, rapidly and at the best cost a specific region

## NEOGRID® TURNKEY SOLUTION

FINANCING

ARCHITECTURE  
DESIGN

CABLES

ACCESSORIES

INSTALLATION

A FOCUS ON HARDWARE SOLUTION:  
ACTIVE & PASSIVE COMPONENTS



Polls Transformers



Substation



Cables -EDR Max –  
low civil work



Connections  
& protections



### PIONEER PROJECT

ELECTRIFICATION PROJECT IN IVORY COAST, FULL TURNKEY

€10m  
Project

51  
villages  
to electrify

35  
completed