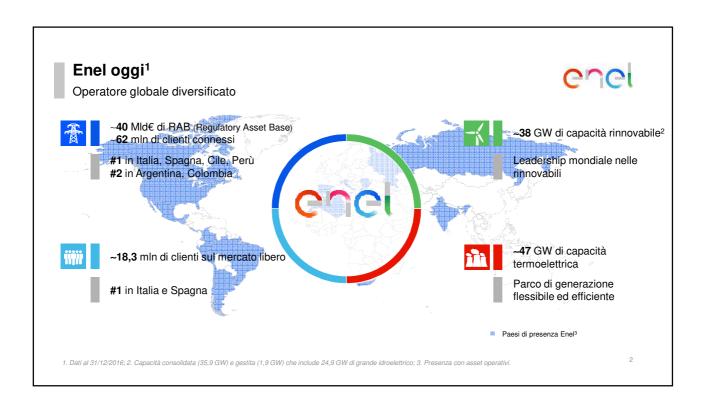
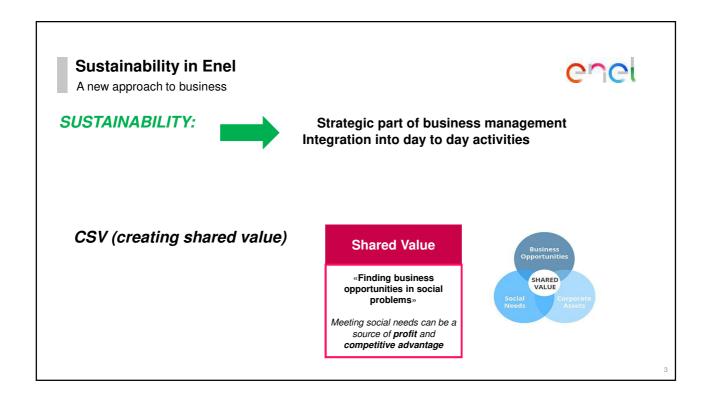
Sustainable Project Development and Execution

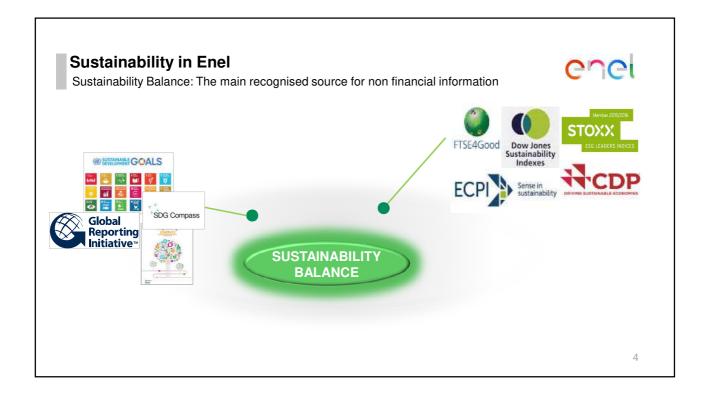
Annalisa Sivieri

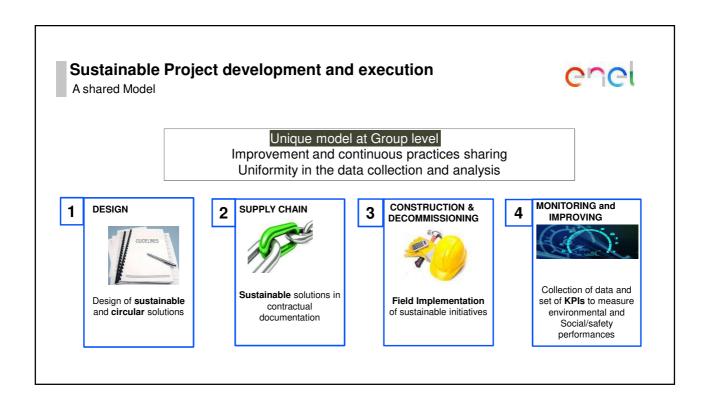
10 November 2017

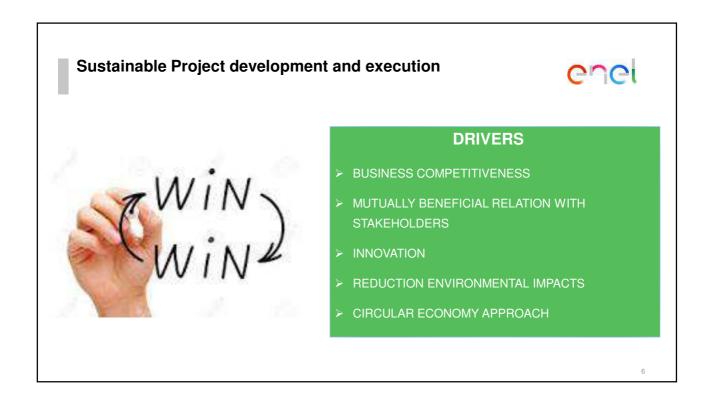












FOIX – Demolition & Remediation Project

Background







Thermal Power Plant consisting of 1x520 MW unit, burning Fuel Oil and/or Natural Gas, located in Cubelles (Barcelona)

2015 closure - 4 years to demolish.

Three phases:

- I. dismantling and demolishing inland installations and buildings and Fuel Oil Storage area
- II. soil remediation
- III. coastal and offshore works

Critical aspects:

- · Waste management
- · 175 m Chimney demolition



Sustainable Project development and execution

FOIX: Practical implementation



Circular



Environment



CSV for community



Economic

CONSTRUCTION INITIATIVES

- ✓ Selective demolition
- ✓ Recovery /reuse of construction and demolition waste
- ✓ Solar energy and LED lamps
- ✓ Use of sustainable materials
- ✓ Use of low emissions vehicles and machinery
- √ Rainwater collection
- Second hand equipment selling
- Reutilization of existing facilities

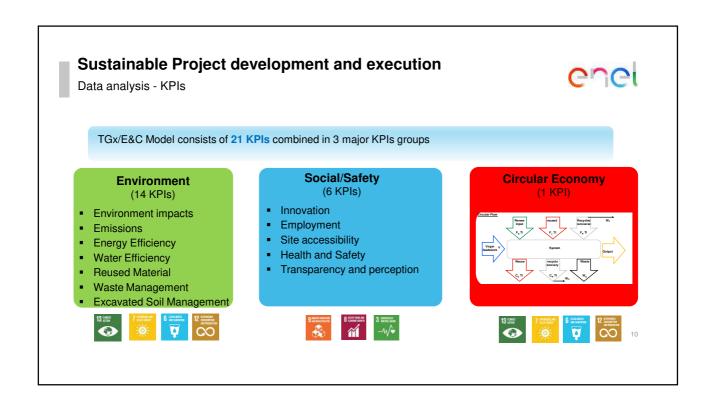
COMMUNITY INITIATIVES

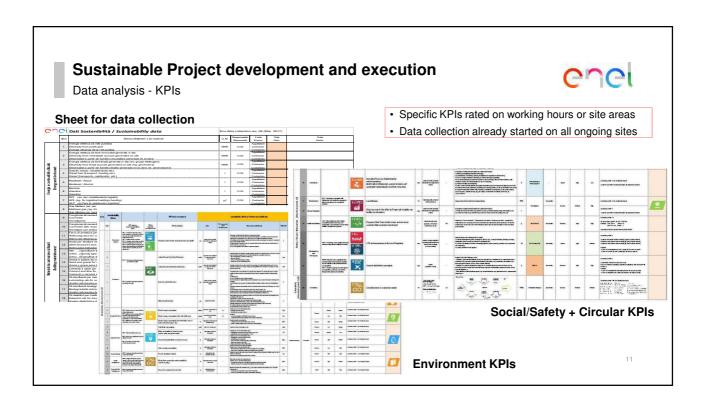
- ✓ Public roads lighting
- √ Transfer to local communities of equipment and machinery
- √ Local job creation
- ✓ Saving of historical objects
- Maintenance and reconditioning of green areas

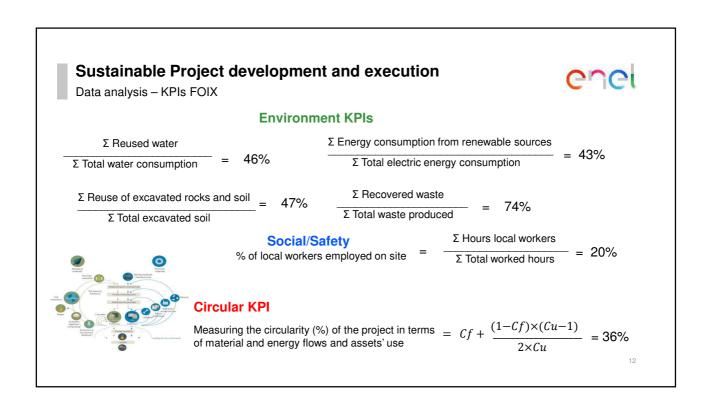
ADVANTAGES

- ✓ Less volume of waste
- ✓ Less use of filling material
- ✓ Energy savings
- ✓ Positive image









6

