



# Empowering a successful energy transition

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# Agenda



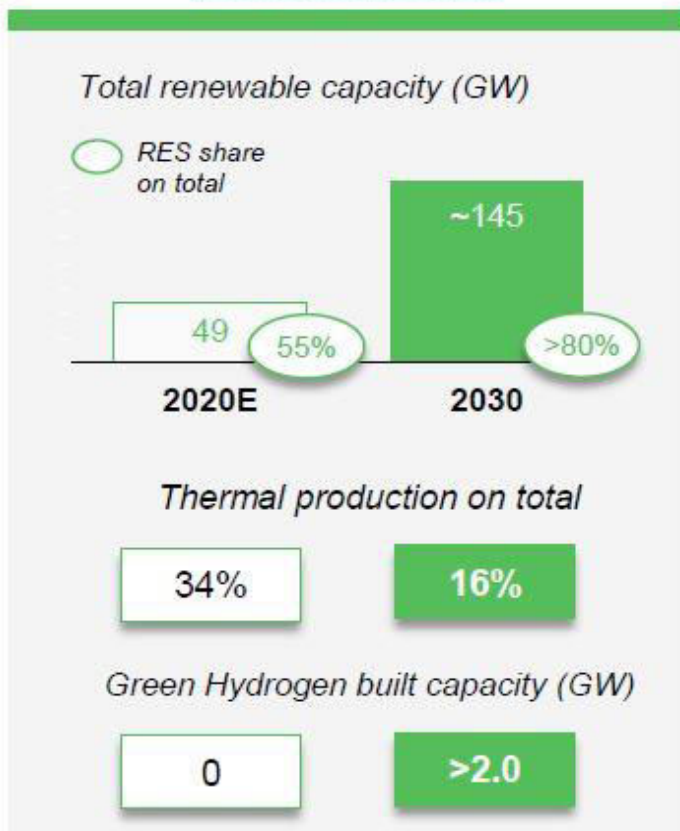
- 01** The Enel path to transformation
- 02** Energy System Net – Zero Challenges
- 03** The successful path to the energy transition
- 04** A sustainable and consumer-centric business model

# The Enel path to transformation

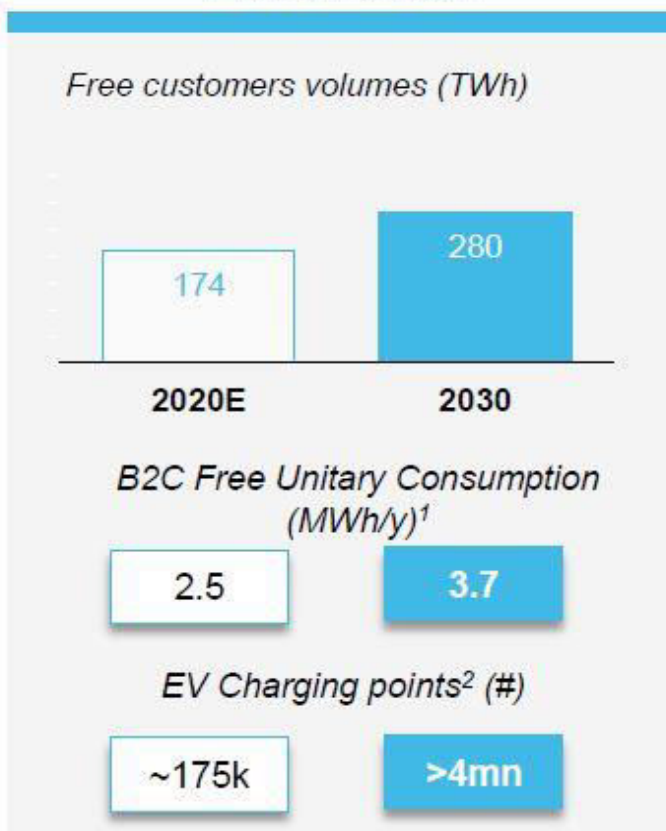
Decarbonization, Electrification, Digitalization



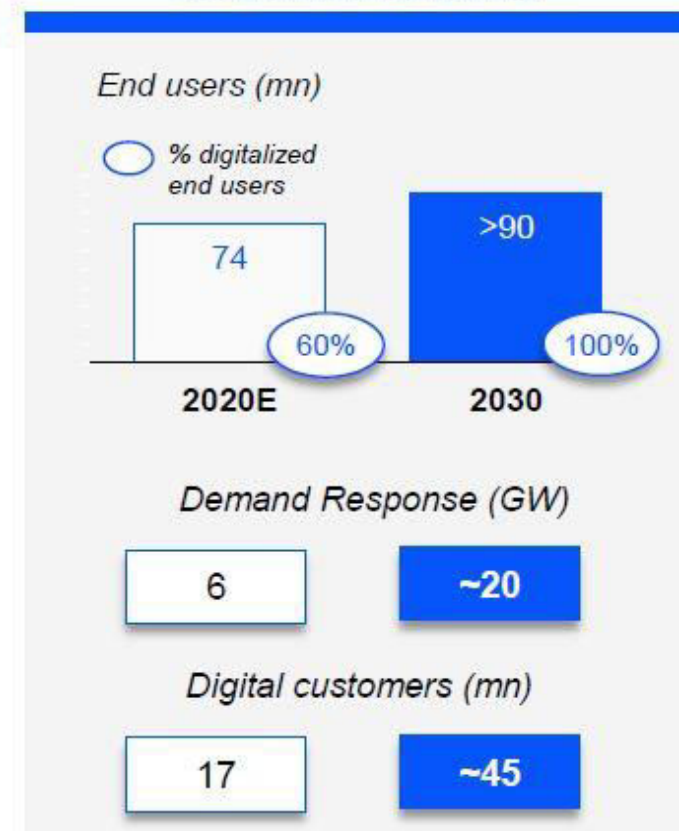
## Decarbonization



## Electrification



## Digital & Platforms



1. Europe  
2. It includes interoperability points

# Energy System Net-Zero challenges



The ambitious 2030 EU targets result in system challenges to be tackled

 **-55%** GHG emissions reductions (vs. 1990)

 **38%** Share of renewable energy

 **40%** Improvement in energy efficiency

 **85%** Carbon-neutral electricity

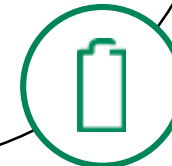
## ADEQUATE SUPPLY

Ensuring adequacy despite decommissioning of large volumes of dependable generation



## CLEAN ENERGY

Ensuring sustainability of clean energy investment to reach decarbonization targets



## FLEXIBILITY OF SUPPLY

Investment framework for deployment of flexible resources for a secure operation of the system

**Systems needs for decarbonization**

# The successful path to energy transition

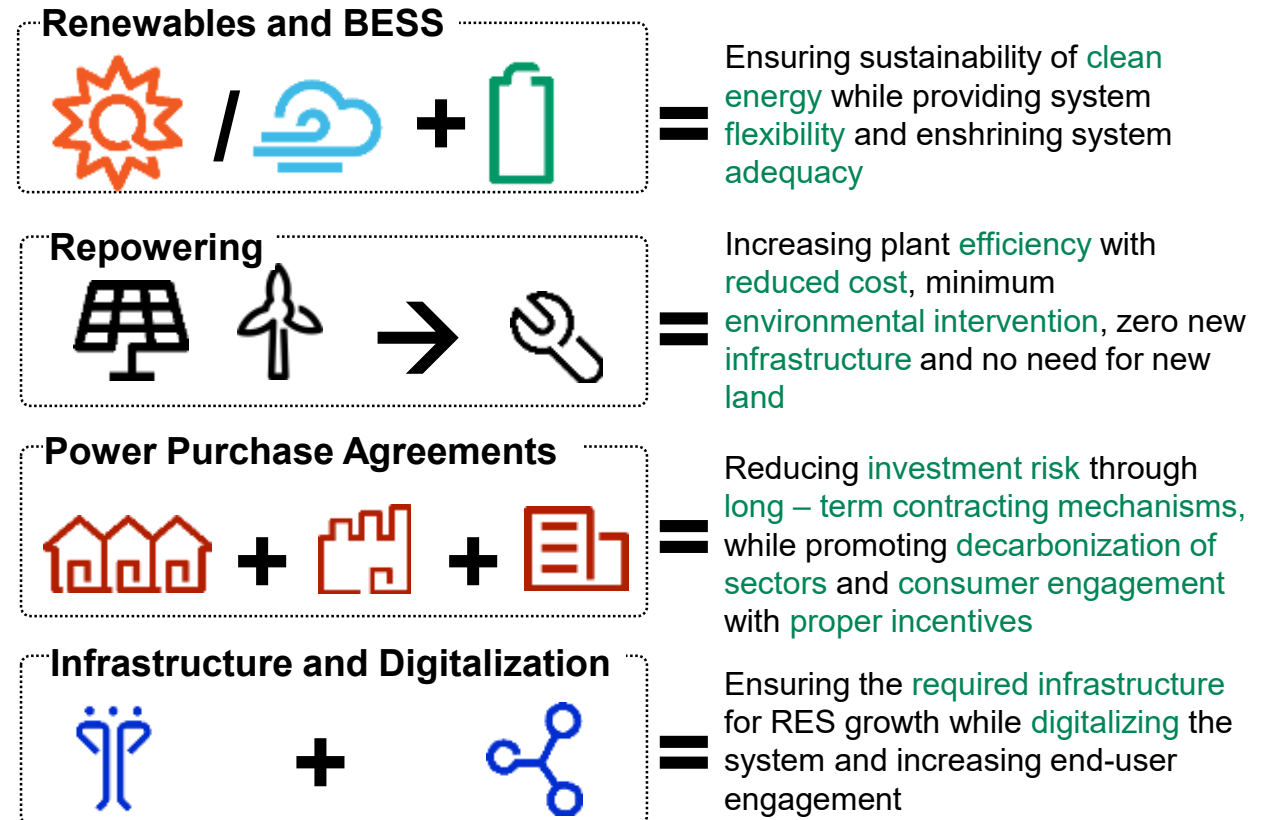
The new objectives require new market approach and technologies



## Current market model designed for different objectives

	Context of 1990s and early 2000s	Current context
Policy Objective	Market integration	Decarbonization
Market Focus	Day ahead wholesale market	Real time markets to manage variable RES growth
Technology	Centralized technologies	Decentralized multi-technologies
Consumer	Supply driven approach	Consumer-centric approach
Stakeholders	Certain stakeholders, sectors and fuels	Cross – industrial, integrated approach

## Required market approach and technologies



# A sustainable, consumer – centric business model



Creating shared value



**80%** reduction in direct greenhouse emissions per KWh by 2030 compared to 2017 levels

## Engaging local communities

### 2015-2019 achievements



**1.3 mil** beneficiaries quality education



### 2015 – 2030 targets

**5 mln** beneficiaries at 2030



**7.9 mil** beneficiaries affordable and clean energy



**20 mln** beneficiaries at 2030



**2.1 mln** beneficiaries decent work and economic growth



**8 mln** beneficiaries at 2030



**Thank you**