

# **Enel Green Power in Australia**

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Head of Sub-Saharan Africa, Asia & Australia

Australian Renewables: development and opportunities Milano, 21/6/18

## Enel today<sup>1</sup>

### Global and diversified operator





~40 €bn Regulated Asset Base

~62 mn distribution end users

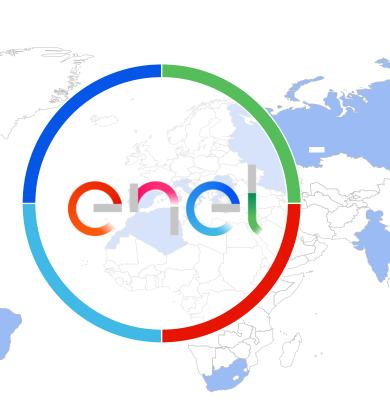
#1 in Italy, Spain, Chile, Peru

#2 in Argentina, Colombia



~18.3 mn free retail customers

#1 in Italy and Spain



~38 GW renewable capacity<sup>2</sup>

Global leadership in renewables



~47 GW thermal capacity

Highly flexible and efficient generation fleet

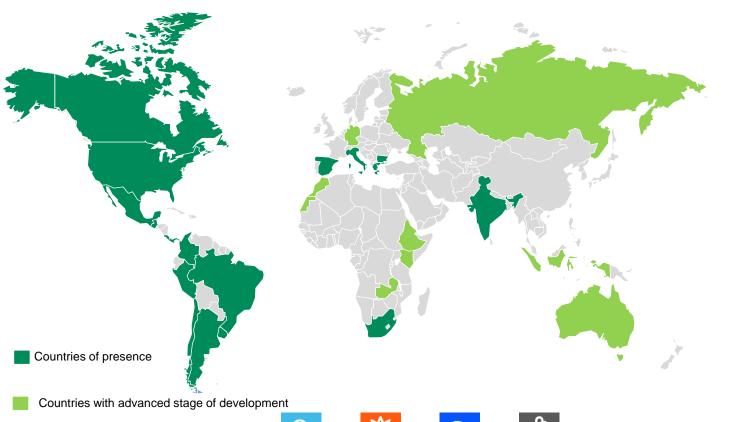


<sup>2.</sup> Consolidated (35.9 GW) and managed (1.9 GW) capacity including 24.9 GW of large hydro.

3. Presence with operating assets

### Global Footprint





Key figures	2017	Managed
Capacity (GW)	38.3	40.9
Production (TWh)	81.8	89.1

Key financials (€bn)	2017
EBITDA	4.1
Opex	1.4
Maintenance capex	0.3
Growth capex	3.6

Consolidated capacity (GW)

Managed capacity (GW)

袋

7.4

1.8





2.2 27.8 0.8 0.4 0.3 0.1





Renewable Technologies Strengths

RES are more and more **competitive** and already cheaper than fossil fuel generation

2 RES have a short construction time offering a quick response to growing demand

3 RES are modular and their flexibility allows the reduction of costs thanks to scale economies





- RES are the
  environmentally-friendly
  option to solve air and
  water pollution issues and
  fight the climate change
- SES mitigate the energy dependency and contribute to secure the energy supply, reducing the exposure of power prices to the commodities market
- 4 RES Investments create local jobs from the preliminary development phase to the construction and the maintenance ones

## **Enel Green Power's technologies**



### **EGP** is focused on Mature Technologies...

Technology Focus: Proven Renewables



**Wind Onshore** 



**Solar Photovoltaic** 



**Geothermal Energy** 



**Hydroelectric** 



**Biomass** 

### ...and investigates Innovative Solutions

Innovation: the key to compete



**Storage** 



Offgrid systems



**Hybrid Solutions** 



**Solar Home System** 



**Marine Energy** 

Proven Track Record - 2017 Highlights



Mar 2017 Apr 2017 May 2017 June 2017 July 2017

Commence of the Commence of th

Oct. 2017 Today Dic. 2017

540 MW Wind in Spain

EGP: 339 MW PV in Spain

Kino Mexico

Awarding in
Ethiopia with the
Metheara 100 MW
PV project

EGP enter **Russia** with 291 MW wind

• EGP entrer Australia: Bungala Solar One, 138 MW PV

99,1% energy availability in South America, wind (>1 GW capacity)

- **US Cimarron Bend** (400 MW), the largest wind farm of the Group
- Construction of the largest PV plant LATAM, Villanueva (754 MW) Mexico

Agreement with Anheuser-Busch for energy wind supply produced by **Thunder Ranch** (152 MW)

Sep. 2017

Cerro Pabellon in operation

The largest PV plants in operation in South America, Ituverava (254 MW) and Nova Olinda (292 MW) start to produce

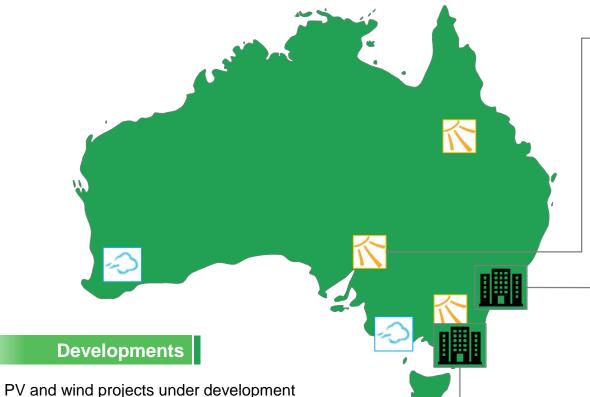
EGP wins concession in Brazil for the hydroelectric power plant **Volta Grande** (380 MW)

1° TWh of production PV and Wind in Africa

## **Australia**

States tenders participation PPAs with private clients Entering retail Market





#### Bungala PV project

- Bungala I (137.5 MW)
  - Construction started in August '17
  - o Full Prod.: exp. August '18
- Bungala II (137.5 MW)
  - Start of construction: November '17
  - Full Prod.: January '19
- Bungala III (100 MW)
  - Under development

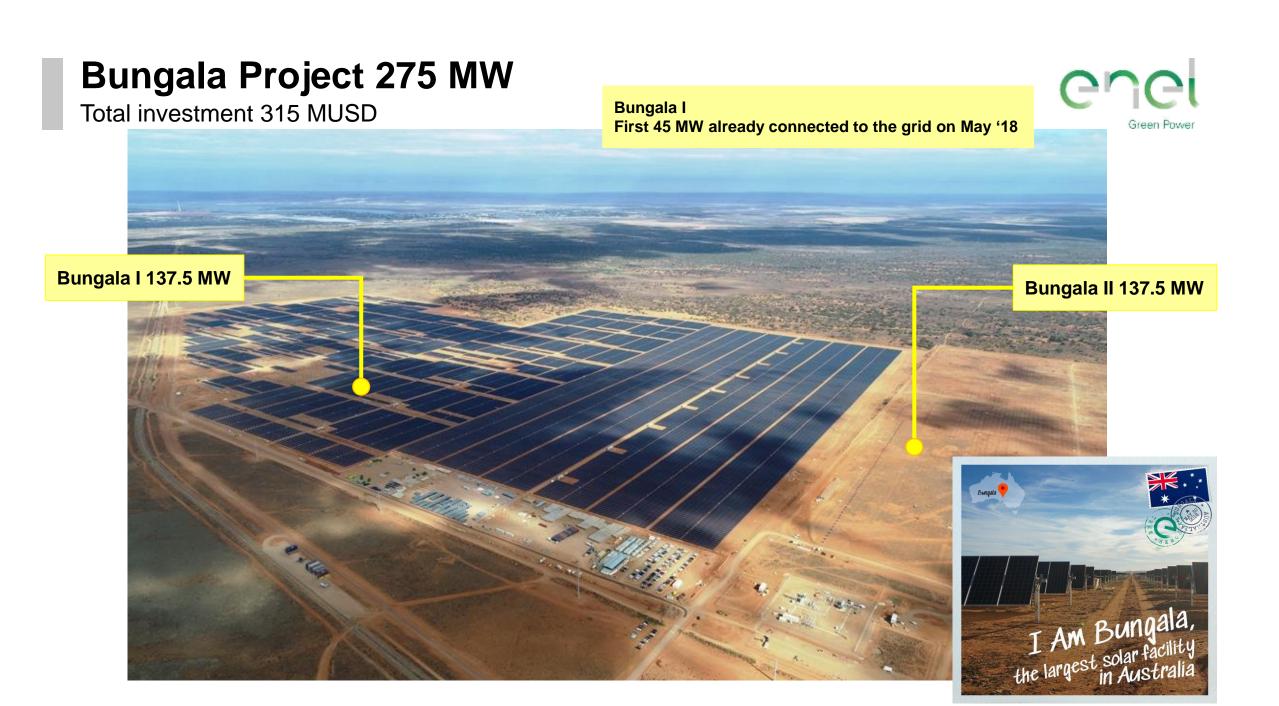
#### EGP 's Office in Sydney



#### **ENERNOC**

☐ Enel company, focused on Demand Response, Energy Intelligence Software and Procurement Advisory; Australian offices located in Melbourne and Perth

□ Comments to new regulation (National Energy Guarantee) under discussion during 2018; to be adopted in 2019









Strategy pillars for shared value creation within company, environment & communities





## Sustainability embedded in the strategic plan



#### Context

2017-2019 Sustainability Plan - ESG<sup>1</sup> Pillars

#### **Digitalization**

### ESG pillars

- Engaging the local communities
- Engaging the people we work with
- Aiming at operating efficiency and innovation
- Decarbonizing the energy mix

#### **Customer focus**

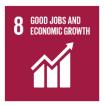
# Enel commitments to the Sustainable Development Goals



400,000 people by 2020



3 million of people, mainly in Africa, Asia and Latin America by 2020



1.5 million people by 2020<sup>2</sup>



<350 gCO<sub>2</sub>eq / kWh by 2020 (-25% base year 2007)

<sup>2.</sup> Target upgraded from the original 0.5 million people commitment that was already achieved during 2016

