

2019PORTUGAL RENEWABLE SUMMIT

Da transição ao compromisso energético From transition to energy commitment





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Challenges and opportunities in the new market context

Challenges and opportunities in the new market context



C^Ci at a glance: Who are we?

Focused on sustainability & growth



2,2 million kms of distribution network

44 GW renewable capacity installed

46.5 GW thermal & nuclear capacity

5.7 GW demand response



~ 73 mn final customers

World's largest global utility with the resources and products that are changing the way the world uses energy

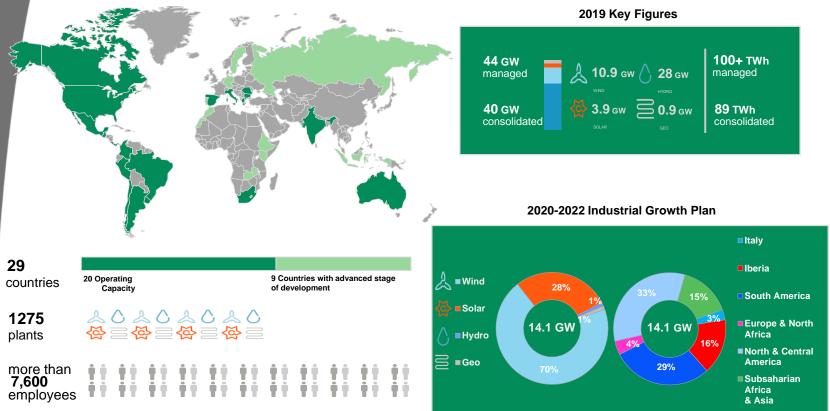








Enel Green Power in the world







Enel Green Power: Key Levers of our Business Model

5 technologies across the Globe

How We Originate

How We Execute

How We Deliver







Enel Green Power in the Iberian market

Key Strategic pillars:

Decarbonization.

La retirada de Endesa del carbón dejará sólo tres térmicas activas en la Península



ENERGÍA



INFORMANTA 19/12/2018 Endesa presenta la solicitud de cierre de las centrales de Compostilla y Andorra por ser inviable abordar las inversiones medioambientales la segreto trainente descarborizado en 2000, as como con los citeros de la engreto trainente descarborizado en 2000, as como con los citeros de la nolicia energetica nacional avanzados por el Ministerio para la Transión Ecologica.

Endesa anuncia el cierre de sus centrales de carbón

La compañía cuantifica la operación en 1.300 millones



- Fair energy transition: Ensuring the decarbonization process "leaves no one behind":
 - Innovative green solutions to preexisting sites that maximize economic value and minimize social impact.
 - Revitalization of sparsely populated areas as new investments create high-quality direct and indirect job opportunities.
 - Circular economy: Focus on sustainability and relationship with local communities.

Sustainability is Value

Sources: Endesa Press Release, La Vanguardia, Expansión.





The New Market Context

Opportunities: Why is the world going green?

• Climate action, SDGs and energy independence goals.







United Nations Framework Convention on Climate Change



Consumers' choice: Increased focus on sustainability by corporates and retail customers.







- Cost competitiveness: Wind onshore and PV Solar are the cheapest sources of new capacity in most of the world.
- Electrification as a driver for demand growth opening up space for new cheap electricity.

Have made renewable energy a no-brainer for new capacity and substitution of preexisting one





The New Market Context

Challenges for Developers and Investors:

- **"Green boom"**: Growing interest in renewables from non traditional actors puts downward pressure on returns and increases risk of speculation.
- **Technology commoditization**: Technology evolution and standardization make it harder for companies to differentiate themselves.
- Living in a non-regulated world:
 - Access to final consumers requires the ability to develop tailor-made offtake structures to meet consumers' needs and risk profile.
 - Increased role of merchant component requires more sophisticated energy management capabilities.

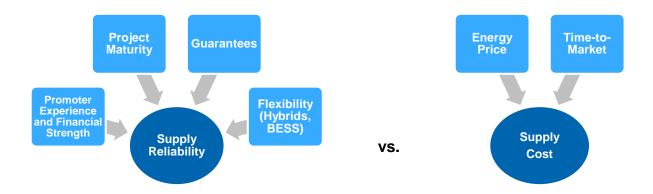




The New Market Context

Challenges for Regulators:

 Managing Grid Access: Finding the right sustainable balance between reliability and cost to maximize consumer's value and minimize rent-capturing across the value chain.



• **Permitting and environmental licensing**: Can current processes be simplified reducing timing and improving visibility of the process for promoters?





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