





#### Disclaimer

This document has been prepared by EDP Renováveis, S.A. (the "Company") solely for use at the presentation to be made on this date and its purpose is merely of informative nature and, as such, it may be amended and supplemented and it should be read as a summary of the matters addressed or contained herein. By attending the meeting where this presentation is made, or by reading the presentation slides, you acknowledge and agree to be bound by the following limitations and restrictions.

This presentation may not be distributed to the press or to any other person in any jurisdiction, and may not be reproduced in any form, in whole or in part for any other purpose without the express and prior consent in writing of the Company.

This presentation and all materials, documents and information used therein or distributed to investors in the context of this presentation do not constitute or form part of and should not be construed as, an offer (public or private) to sell or issue or the solicitation of an offer (public or private) to buy or acquire securities of the Company or any of its affiliates or subsidiaries in any jurisdiction or an inducement to enter into investment activity in any jurisdiction.

Neither this presentation nor any materials, documents and information used therein or distributed to investors in the context of this presentation or any part thereof, nor the fact of its distribution, shall form the basis of, or be relied on in connection with, any contract or commitment or investment decision whatsoever and may not be used in the future in connection with any offer (public or private) in relation to securities issued by the Company.

Any decision to invest in any securities of the Company or any of its affiliates or subsidiaries in any offering (public or private) should be made solely on the basis of the information to be contained in the relevant prospectus, key investor information or final offering memorandum provided to the investors and to be published in due course in relation to any such offering and/or public information on the Company or any of its affiliates or subsidiaries available in the market.

Matters discussed in this presentation may constitute forward-looking statements. Forward-looking statements are statements other than in respect of historical facts. The words "believe," "expect," "anticipate," "intends," "estimate," "will," "may", "continue," "should" and similar expressions usually identify forward-looking statements.

Forward-looking statements include statements regarding: objectives, goals, strategies, outlook and growth prospects; future plans, events or performance and potential for future growth; liquidity, capital resources and capital expenditures; economic outlook and industry trends; energy demand and supply; developments of the Company's markets; the impact of legal and regulatory initiatives; and the strength of the Company's competitors. The forward-looking statements in this presentation are based upon various assumptions, many of which are based, in turn, upon further assumptions, including without limitation, management's examination of historical operating trends, data contained in the Company's records and other data available from third parties. Although the Company believes that these assumptions were reasonable when made, these assumptions are inherently subject to significant known and unknown risks, uncertainties, contingencies and other important factors which are difficult or impossible to predict and are beyond its control. Important factors that may lead to significant differences between the actual results and the statements of expectations about future events or results include the company's business strategy, financial strategy, national and international economic conditions, technology, legal and regulatory conditions, public service industry developments, hydrological conditions, cost of raw materials, financial market conditions, uncertainty of the results of future operations, plans, objectives, expectations and intentions, among others. Such risks, uncertainties, contingencies and other important factors could cause the actual results, performance or achievements of the Company or industry results to differ materially from those results expressed or implied in this presentation by such forward-looking statements.

The information, opinions and forward-looking statements contained in this presentation speak only as at the date of this presentation, and are subject to change without notice unless required by applicable law. The Company and its respective directors, representatives, employees and/or advisors do not intend to, and expressly disclaim any duty, undertaking or obligation to, make or disseminate any supplement, amendment, update or revision to any of the information, opinions or forward-looking statements contained in this presentation to reflect any change in events, conditions or circumstances.

# Agenda

Our world and our sector

Our company and track-record

Our strategy and growth

Our 2025 targets



# New energy sector at the center of the economy and transformation towards Net Zero



We need a new decarbonized and electrified world...



... in which a new energy sector is required

~95%

renewables share in power generation in 2050

3x

global electricity demand growth by 2050 -100%

coal phase-out in global power by 2050

Zero-carbon

power sector by 2050 Clean

Affordable

Reliable



# The World is joining forces in this effort



Paris
Agreement
+ COP26
accelerating
efforts

189

countries

China, EU and US committed (>95% world GDP)





**Decarbonization** and **renewables** targets set

**New regulation** underway

€1.1tr
Green Deal

\$1.9tr
Biden plan



New **private and social commitment** demanding and supporting **clean energy** 

\$15tr private companies committed in 2020 to go "100% clean"<sup>1</sup>

of young people believe they can make a difference on climate change<sup>2</sup>

<sup>..</sup> Source: Global Climate-Disclosure Project Platform;

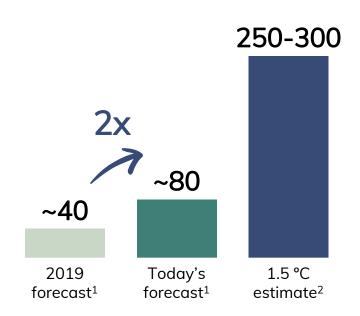
<sup>2.</sup> Source: United Nations survey

# The energy of the future will be electric, clean, affordable and reliable, requiring an unparalleled renewables growth



# Unprecedented growth

North America + Europe + LatAm Renewables additions p.a., GW



## Cost competitive

LCOE decrease in 2030 vs. 2019



Solar PV

-35%



Onshore wind

-20%

Below wholesale electricity price



Offshore wind<sup>3</sup>

-55%

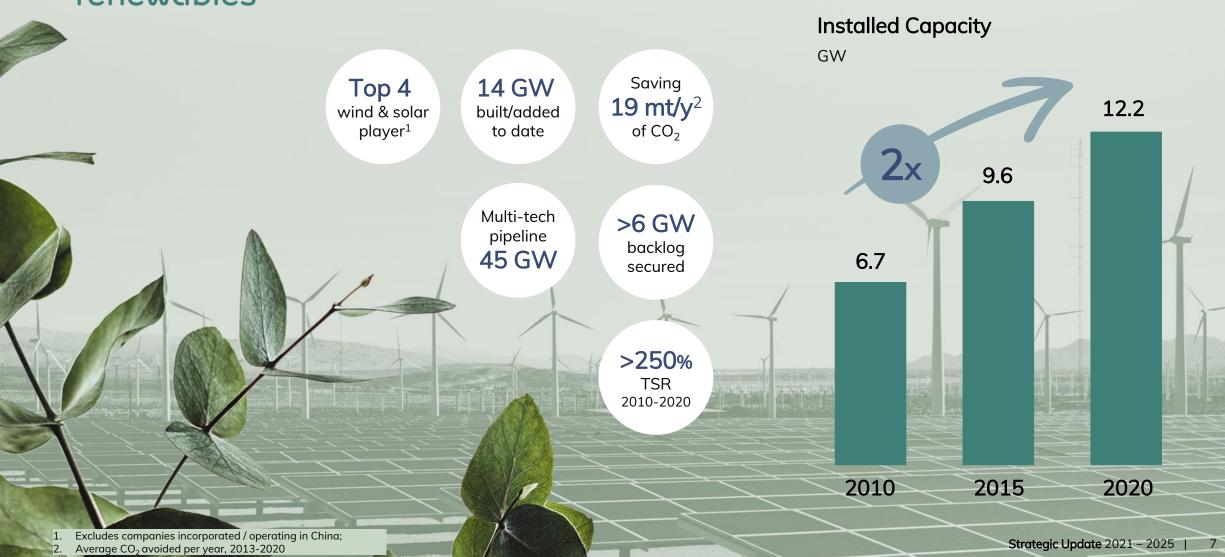
Around wholesale electricity price

- 1. IHS market forecast in 2019 for 2019-22, and in 2020 for 2021-25
- 2. Top-down assessment based on world's capacity needed to reach net-zero emissions in 2050
- 3. Bottom-fixed





# A renewables major with extensive track-record

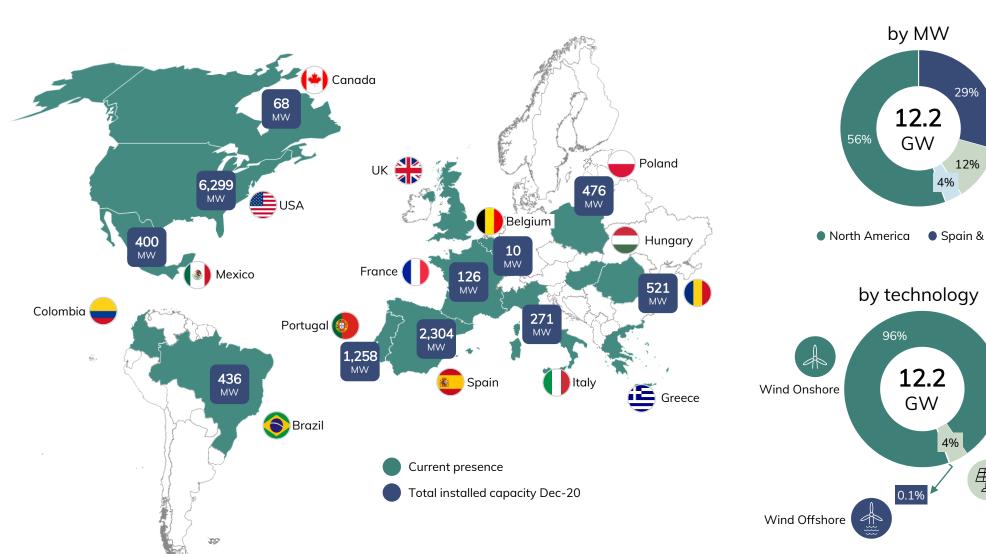


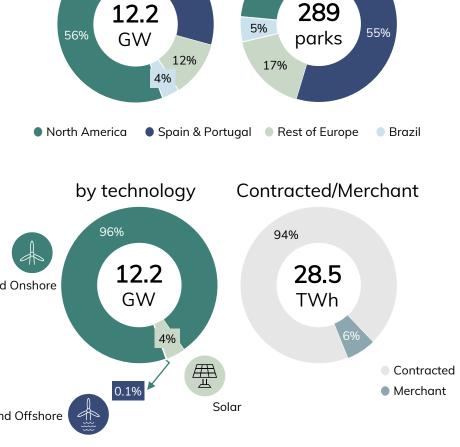


by # of parks

24%

# Attractive portfolio with 12.2 GW installed and presence in 15 countries



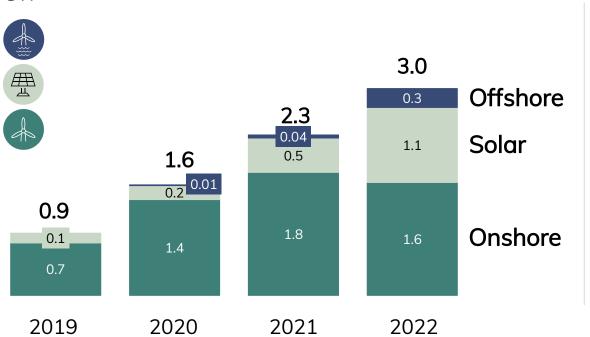


# EDPR has already secured a ramp-up growth up to 3 GW/year at attractive profitability...









### ...above BP19-22 and locking in strong returns



NPV / Capex ~30%



# ...supported by a proven Asset rotation model to create superior value...





2019-22 target proceeds on-track...



...enhancing returns and EDPR's growth



5 transactions closed in 2019 and 2020

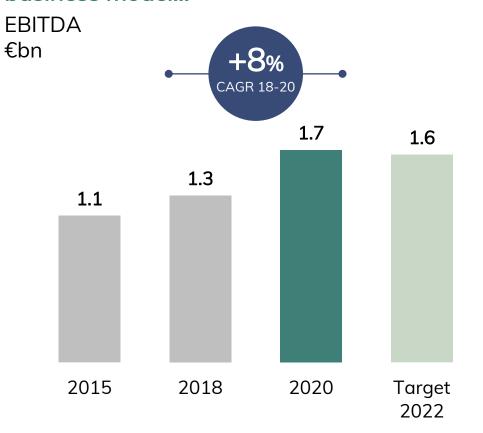
2019-20	MW net	EV/ MW €m	Gain/ MW €k
Europe	497	1.6	460
Brazil	137	1.9	635
Spain	237	2.1	484
US <sup>1</sup>	392	1.5	245

€550m capital gains generated in 2019/20



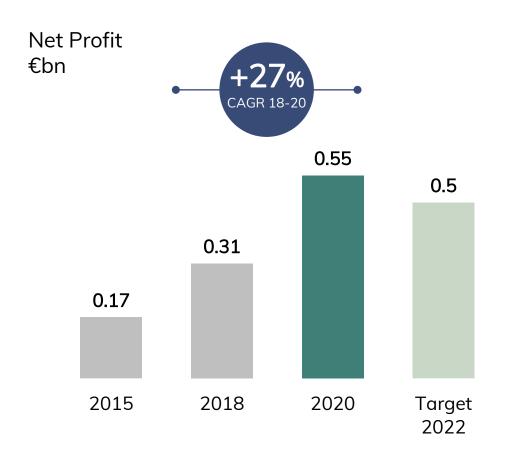
# ... leading to increased bottom-line growth and record levels in 2020

Execution of a superior strategy and a solid business model...



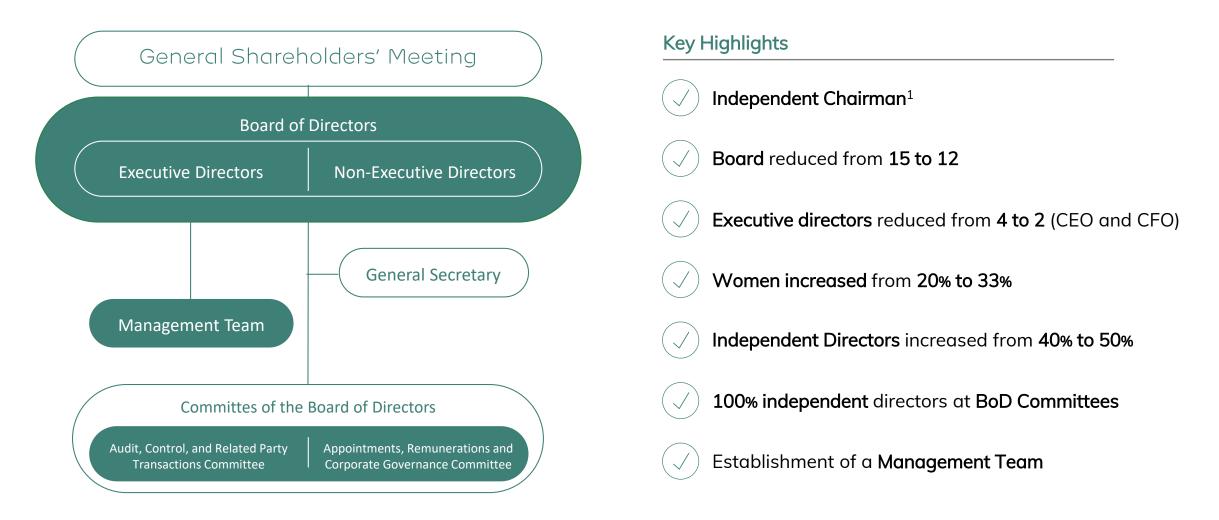


...with superior performance exceeding targets



# Leaner and more efficient Corporate Governance structure supported in the daily management of the business by...

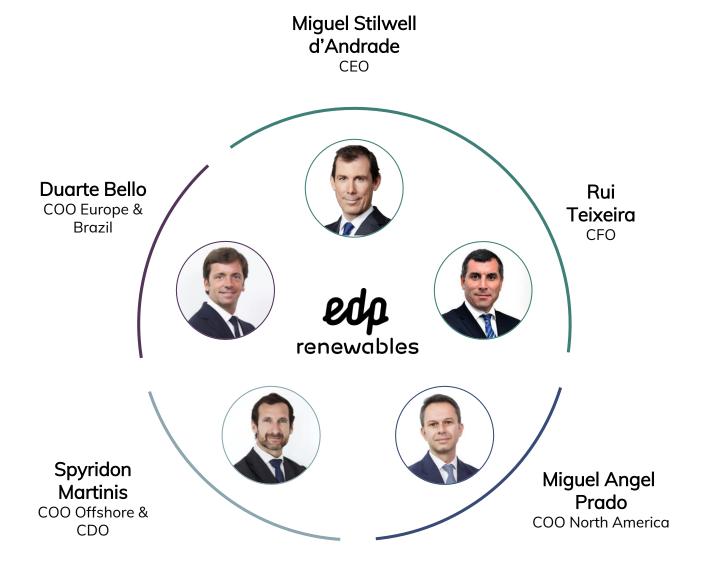




<sup>1.</sup> EDPR's BoD will propose that the positions of Chairman and CEO are held by different people in the next General Shareholders Meeting to be held in Abril, with the current concurrence of both positions in Miguel Stilwell being temporary. Independent Chairman to be also proposed by the Board of Directors in the next General Shareholders' Meeting.



# ...a highly experienced and motivated management ...



3 nationalities

**45** avg. age

17 avg. years of experience in the sector

Remuneration linked to strategy execution including **ESG** 

# ...supported by a top-class team and a lean organization focused on business development & operations

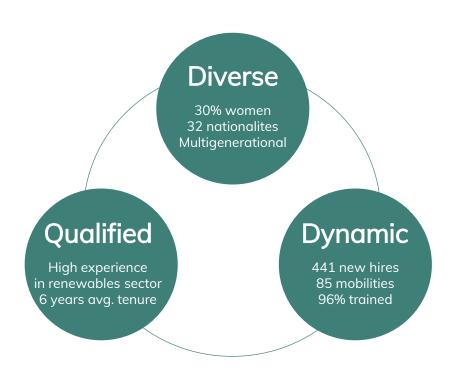


People



# Organization

# 1,700+ employees



40%	Operations ~700 employees	Strong operational expertise focused on O&M and Energy Management, namely in modeling, managing and forecasting critical variables		
30%	<b>Development</b> ~500 employees	Highly experienced and deep knowledge personnel together with continuous reinforcement of critical teams e.g. Business Development, PPA Origination, E&C, M&A		
20%	Local Teams ~350 employees	Business related services to efficiently support local operations and streamline growth related tasks		
10%	Global Support ~150 employees	Agile core functions with holistic view on operations and development aiming to generate superior value growth		

# Our strategy to deliver superior growth through 2025

Growth



Accelerated and selective growth

+20 GW additions 2021-2025

Value



Ongoing asset rotation program

**€8bn**target
2021-2025

Excellence



High quality teams and efficient operations

-2%
CAGR
Core Opex/MW

Promoting clean energy while operating in a sustainable way across the three ESG dimensions

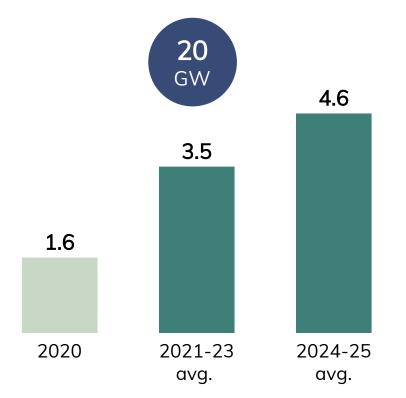


# We will double growth in renewables, adding 4 GW/year with clear visibility



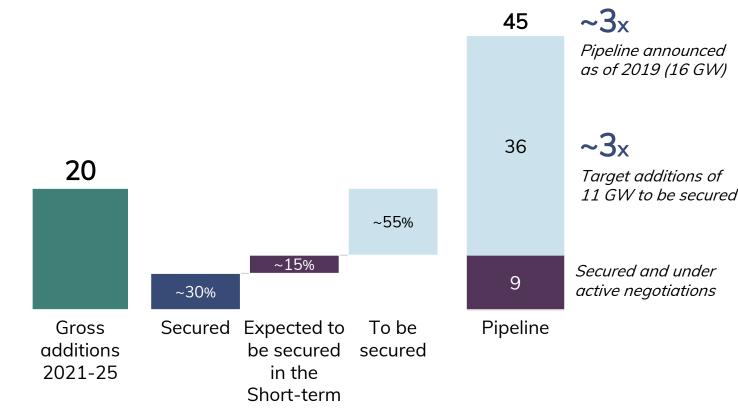
#### Step-change growth in renewables...

Gross additions, GW<sup>1</sup>/year



#### ... with a robust pipeline to address target additions

Total gross additions, GW<sup>1</sup>



EBITDA MW + Equity MW

Includes the 50% stake in Ocean Winds JV with Engie for wind offshore projects



# We focus our growth in core low-risk geographies across the world







#### North America

+8.8 GW







#### Double-down focus with Biden Plan

Liquid market with visibility over PTC/ITC

Diversified geographic footprint (state level)

Solid PPA markets





#### LatAm

+2.9 GW

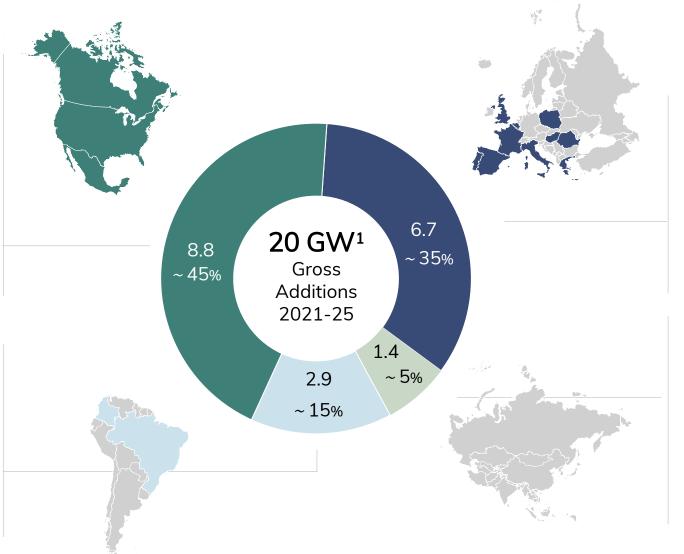




#### Strengthen Brazil while diversifying

Strong fundamentals (e.g. wind resource)

Sizeable market, growth picking up









#### Europe

+6.7 GW



#### Reinforce position

Developed market with public support

Growth to be driven by organized CfDs auctions and by corporate PPAs





#### **Rest of World**

+1.4 GW

#### Develop optionality, diversify

With criteria for market entry e.g. strong fundamentals and market size, low risk contracted profile

# We will grow our presence across technologies, with a differentiated value proposition within the renewable sector



#### Future growth

Long-term growth opportunity with medium term value crystallization

#### Risk diversified

Through Ocean Winds, our 50:50 IV with Engie, leveraging scale and risk diversification

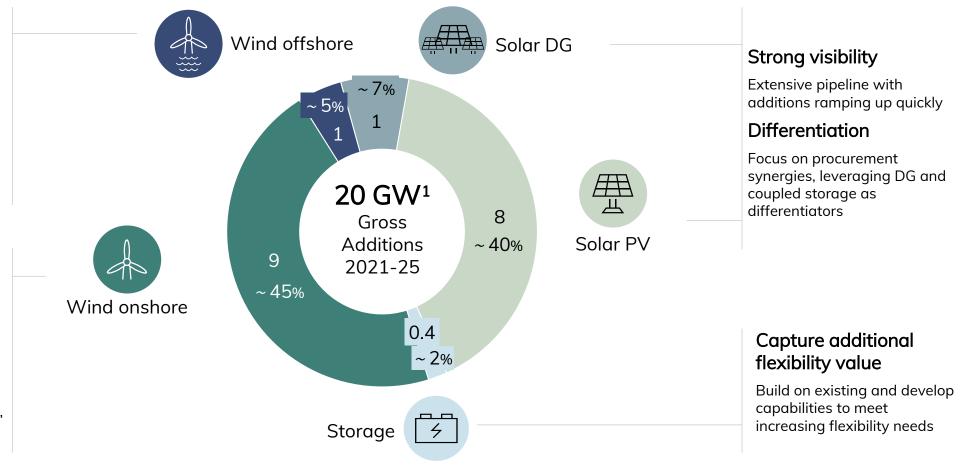
#### Global leadership

Top 4 global player in a mature growth technology

#### Differentiation

Deep know-how in energy management and PPA origination

Capture growing repowering, hybridization opportunities, and technological developments



# We are focused on strengthening our leadership position in wind onshore



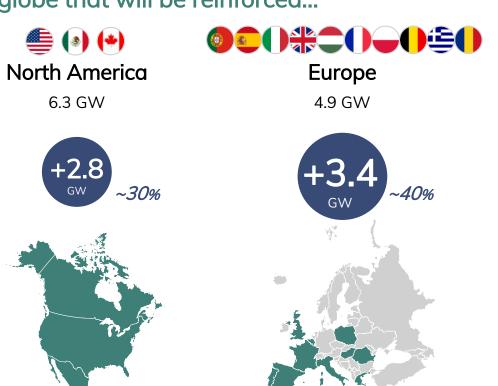


Target 2021-25 (GW)

Current presence

XX % in additions XX Total installed capacity

We have a strong onshore wind presence across the globe that will be reinforced...





## ... consolidating leadership and exploring growing opportunities

Consolidate position as global Top Wind player

Reinforce presence in core low-risk markets (EU+ US)

Capture growing repowering, hybridization opportunities and technological developments

# We are committed to build a sound market presence in Solar



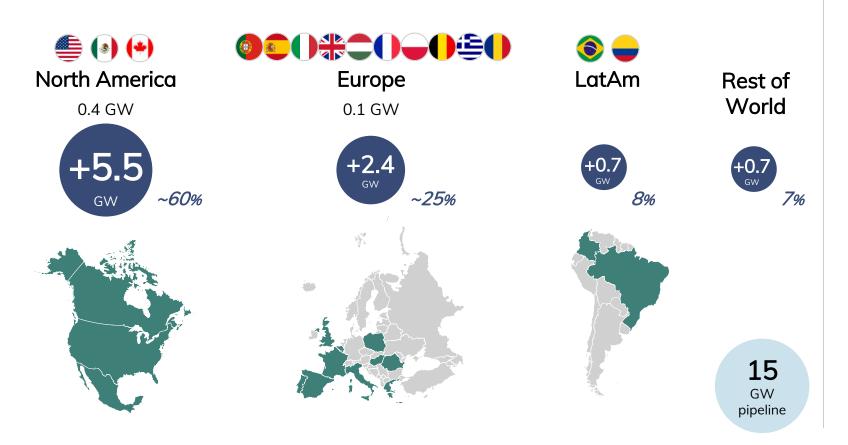


Target 2021-25 (GW)

Current presence

XX % in additions XX Total installed capacity

#### We have robust secured additions and pipeline in solar...



### ... adopting a differentiated approach to clients

Reinforce approach to large scale utility model through in house capabilities

Develop distinctive approach to C&I through **dedicated platform** of Distributed Generation in the US

Provide differentiating and firm solutions with coupled storage

# We aim to be a leading global player in offshore wind through the 50:50 JV Ocean Winds (OW)





#### Step-change in capacity with a global footprint...

■ Installed ■ Under construction ■ Under development ✓ PPA/Tariff secured



#### Project visibility for 6.6 GW of capacity

Name	Country	MW gross	% OW	COD	
Windplus	<b>(1)</b>	25	85%	2020	$\checkmark$
SeaMade <sup>1</sup>		487	18%	2021	$\checkmark$
Moray East		950	57%	2022	$\checkmark$
EFGL		30	80%	2023	$\checkmark$
Noirmoutier		496	61%	2025-26	<b>√</b>
Moray West		871	62% <sup>2</sup>	2025-26	
Mayflower		1,336	50%	2025-26	$\checkmark$
Le Tréport		496	61%	>2025	$\checkmark$
B-Wind		200	100%	>2025	
C-Wind		200	100%	>2025	
KF Wind		1,500	61%	>2025	

- Early market entry through multipartnerships
- Bid preparations for competitive auctions
  - Scotwind
  - NY Bight
  - Norway
  - California
  - o France
  - o Japan
  - o other

ΟW pipeline 24 GW

#### ... with results already in place

Pursuing greenfield development, while assessing other opportunities

Construction progressing on schedule despite Covid challenges

Early mover advantage in Floating with Greenfield projects in multiple geographies

Financing via project finance and Equity Bridget Loans at asset level during construction

COD in 1021

Additional 33% directly owned by EDPR

# We are developing new technologies and business models to ensure long term renewables competitive edge and growth



#### **Hybridization**



Storage

#### Improve profitability and assets utilization

- Opportunities combining Solar + Wind to improve infrastructure utilization
- **0.4 GW of hybrid projects** analyzed for 2021-25
- 0.1 GW highly competitive projects awarded in 2021 Spanish auction

#### Strong path to address intermittency

- Deploy **storage coupled with solar** (first solar 200 MW + storage 40 MW to be installed in 2022 in the US)
- New unit to develop capabilities for standalone storage management (0.4 GW expected through 2025)
- Addressing client requirements

#### Differentiated business case

- **Early-mover advantage** and technology partner
- First project installed in **Portugal** (25 MW), second project secured in France (30 MW)
- Large GW project in early stage in Korea, pipeline in Spanish and Greek islands and preparing tenders in California. France and Scotland

#### **Floating** Offshore



#### Increasing current assets long-term value

- Using current infrastructure and upgrade with more efficient technology
- First repowerings successfully installed/under construction in **Spain** (42 MW)
- At least additional 0.4 GW expected through 2025 (in the US taking advantage of current PTC framework)

#### Repowering

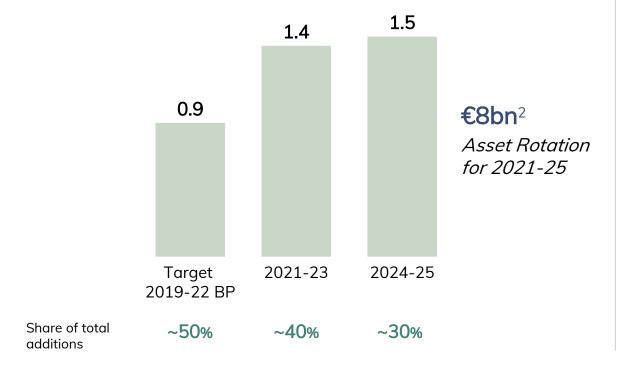


# We will accelerate growth, maintaining our distinctive asset rotation model



## Asset rotation model fueling growth...

Asset rotation model added capacity, GW<sup>1</sup>/year



#### ... aligned with our track record

Extensive track record 19 transactions since 2012

€12bn EV<sup>3</sup> track record in past

transactions

Expanding market

Increased market demand from Infra,

Pension, Sovereign Wealth Funds

Conservative value creation assumption

**€0.3-0.4bn** AR gains p.a. last 2 years

**~€0.3bn** p.a. projected for 2021-25

EBITDA + Equity GW

Includes equity proceeds and debt de-consolidation

Considering EV at 100%

# Managing the full value chain to deliver competitive and quality projects at the highest excellence standards



# Development

#### **Competitive Projects**

- Local development knowledge and multi-partnership network to bring best opportunities
- Second to none energy assessment track record and efficient site layout
- Experienced PPA Origination team to manage different offtaking products

## Construction

#### On time & on budget

- Global scale providing competitive procurement
- 20 year relationship with **Top Tier Suppliers**
- **E&C team** with large experience in years and MW, leveraging on gaile project management

# **Operations**

#### Excellence in asset management

- Digitalization, centralized Dispatch Center and Big Data analysis providing an holistic real-time view
- Strong O&M expertise in internalization models and predictive maintenance
- Comprehensive **Energy Management** and Risk Management strategies

## ...while guaranteeing the best ESG standards

Biodiversity high risk facilities with action plans

€35m

Social & A2E investment

>80%

Wastes recovery along the whole value chain

>75%

Sustainable purchases

Zero

**H&S** accidents mindset

Facilities certified by ISO 14001 & ISO 45001

# We have key core competences and a unique know-how set to maximize efficiency



#### Our unique O&M strategy ...

10 year strategy in optimizing O&M activities by increasing internalization post-warranty (today 50% of the fleet)

Has resulted in market pressure and compressed **service prices** down by 25-30%

Flexibility to **choose** today on an asset by asset basis the **most competitive** between insourcing or outsourcing

#### ... and extensive experience and scale ...

>20 years

Experience from development through operation



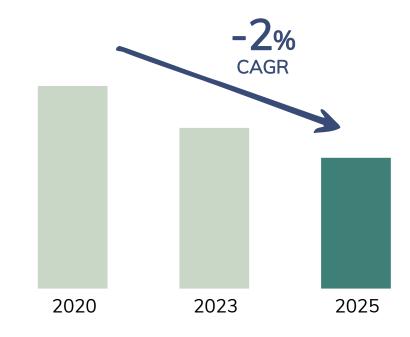
Under management by 2025



Under management by 2025

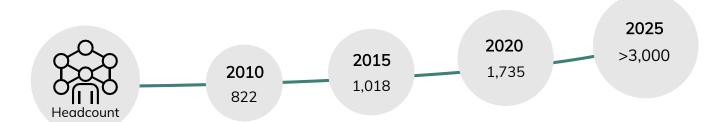
#### ... are set to maximize efficiency levels

Core Opex / Avg. MW (€k)



# 2025 growth supported by current top-class team reinforced by best talent in the market attracted by a superior proposition







Road to 2025

# Committed team developed & reinforced

# Develop

Great company culture

Diversity and inclusion
as a trigger for innovation
Integrating the best talent

Attract

Tailored **reward schemes** & career paths

Experience

Flexibility consolidation

Top talent retention

Continuous Re-Upskilling
Functional & Geographical

Functional & Geographica internal **mobility** 

Fostering internal promotion

First choice

36% Women in EDPR

Top company

in % Engagement & Enablement<sup>1</sup> >50%

Employees on hybrid model<sup>2</sup>

90%

People with digital training

30%

Women in management

Better than utilities and high performing companies;

<sup>2.</sup> Work at home for some part of the week



# Our 2025 targets

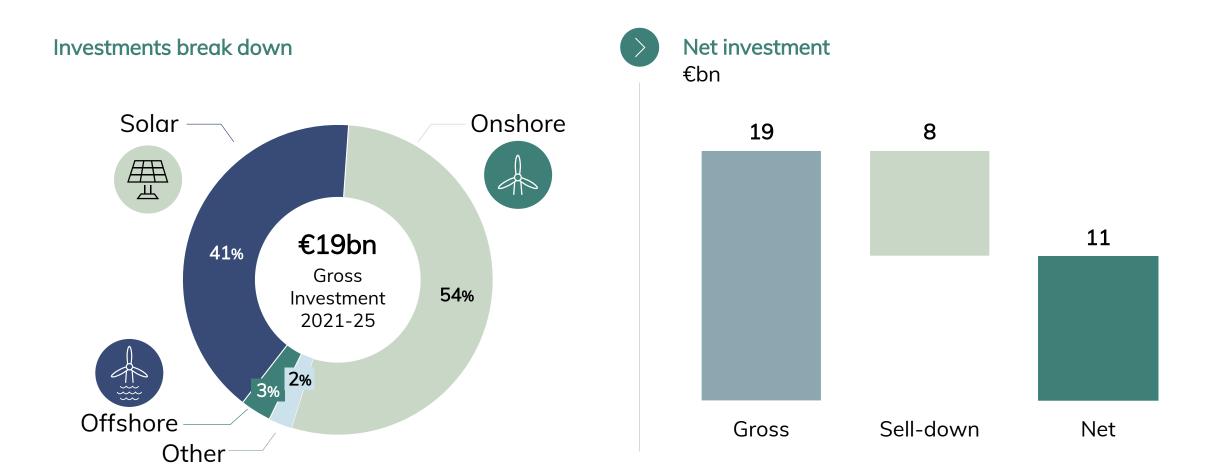
20 GW additions

2021-25 **4 GW/yr**  €19bn

investment 2021-25

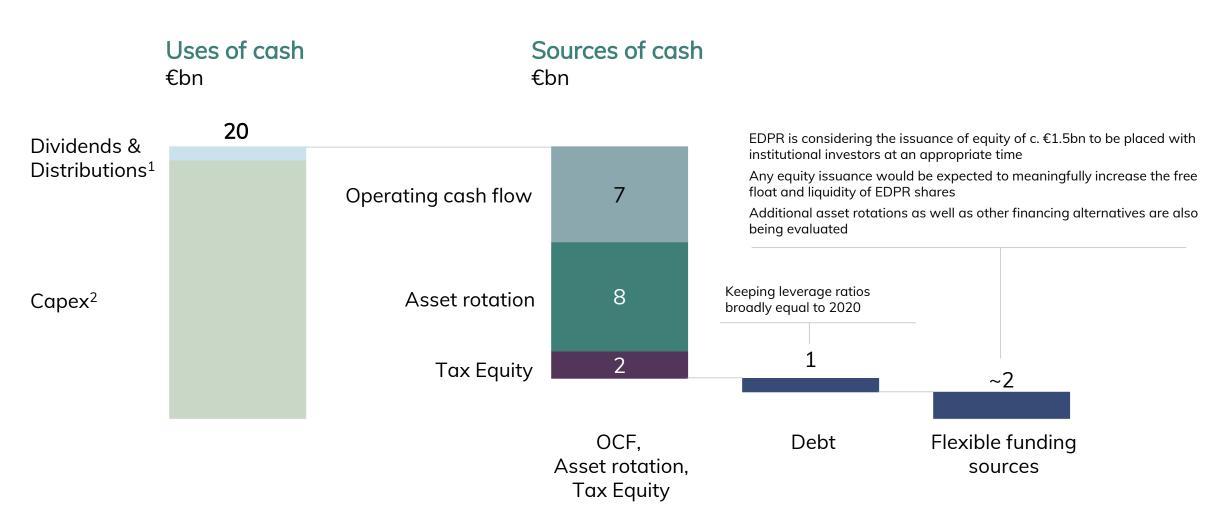
# Growth 2021-25 plan totalling 20 GW leading to a €19bn cumulative investment ...







# ... supported by clear sources of cash...



To projects' controlled by EDPR but with minority shareholders and to EDPR minority equity holders

Includes Financial Investments



# ... to deliver superior value through a solid business model...

	2020	2023	2025	
Installed Capacity GW Step-up growth and scale	12	18	25	↑ >2x
EBITDA €bn Increased results with geographic diversification and a stable Asset Rotation program	1.65	2.0	2.3	+7% CAGR 20-25
Net income €bn Earnings acceleration through accretive investments in attractive projects	0.55	>0.6	0.8	+8% CAGR 20-25

Dividend floor of €0.08 per share, prioritizing cash-flow reinvestment in accretive growth



# ... while operating with the highest ESG standards

		2020	2025
Circular economy %	Recovery rate for generated wastes in the whole value chain	<b>76</b> <sup>1</sup>	85
Biodiversity %	Facilities with high biodiversity risk with action plans defined	n/a	100
People %	Improve diversity and inclusion by increasing female employees	30	36
Communities €m/year	Investment in supporting local communities and extending universal A2E <sup>2</sup>	4.8	7
Suppliers %	Purchasing volume in sustainable suppliers	60	75

<sup>1.</sup> Recovery only for operations; construction & dismantling not included; 2. Access to Energy

**Strategic Update** 2021 – 2025 | **31** 

# An unique renewable major

**edp** renewables

New energy sector at the center of the economy towards

**Net Zero** 

Pure 100% renewable player

with extensive track-record, know-how and core capabilities

Stepping-up to the challenge and aiming an ambitious

4 GW/year growth plan