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EDF RENEWABLES

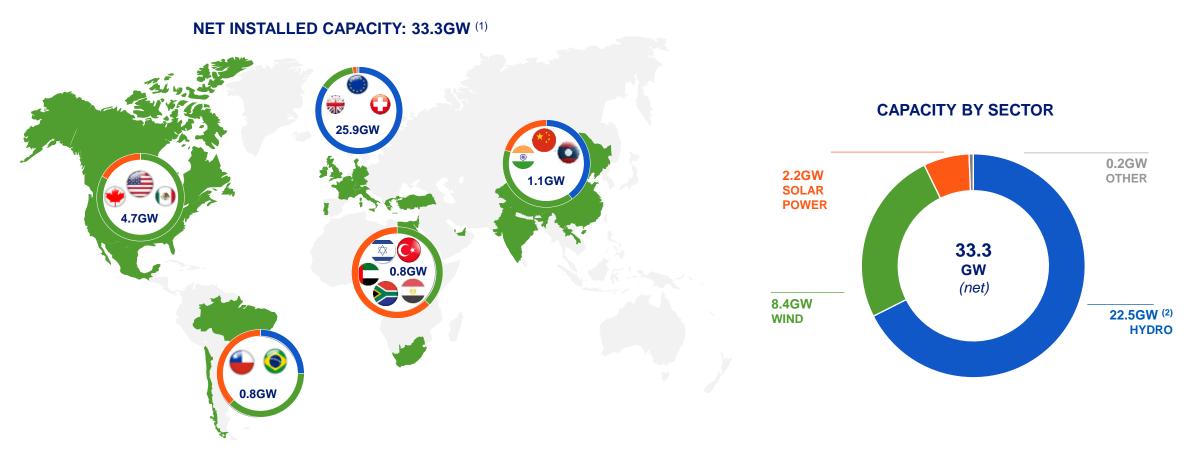
A GLOBAL LEADER IN RENEWABLE ENERGY

Bruno Bensasson

EDF Senior Executive Vice-President, Renewable Energies Chairman and Chief Executive Officer of EDF Renewables

March 2021

EDF, THE EUROPEAN LEADER IN RENEWABLE ENERGIES



(1) Installed capacity shown as net, corresponding to the consolidated data based on EDF's participation in Group companies, including investments in affiliates and joint ventures

(2) Including sea energy: 0.24GW



RENEWABLES: GOOD RESULTS IN SPITE OF THE PANDEMIC CRISIS

EDF RENEWABLES				
In €m	2019	2020	∆ %	Δ % Org. ⁽¹⁾
EBITDA	1,193	848	-28.9	-23.0
o/w generation EBITDA	917	904	-1,4	+4.7

- > Covid-19 effects non-material
- Lower DSSA activity contribution: exceptional level in 2019 linked to the partial disposal of an offshore farm in Scotland
- Electricity output: 15.4TWh, generating an organic increase in EBITDA of 4.7% thanks especially to additional capacities commissioned at end-2019 and in 2020
- Growth in the Distributed Solar & Operation / Maintenance activities
- > Increase in development efforts supporting business growth

Organic change at comparable scope, standards and exchange rates. The gap with non-organic growth reflects intragroup assets transfers.

2) Hydro generation after deduction of pumped volume consumption

ANNUAL RESULTS 2020

GROUP RENEWABLES⁽³⁾

ln €m	2019	2020	Δ%	Δ %Org. ⁽¹⁾
EBITDA ⁽³⁾	2,166	1,862	-14.0	-12.3
Net investments	(404)	(1,311)	x3.2	

EBITDA

- Hydro France: hydro generation growth of 5.1TWh ⁽²⁾ (+15.3% vs 2019). Unfavourable effect of market spot prices conditions (-€7.3/MWh) ⁽³⁾
- RE: Full year effect of commissionings

Net investments

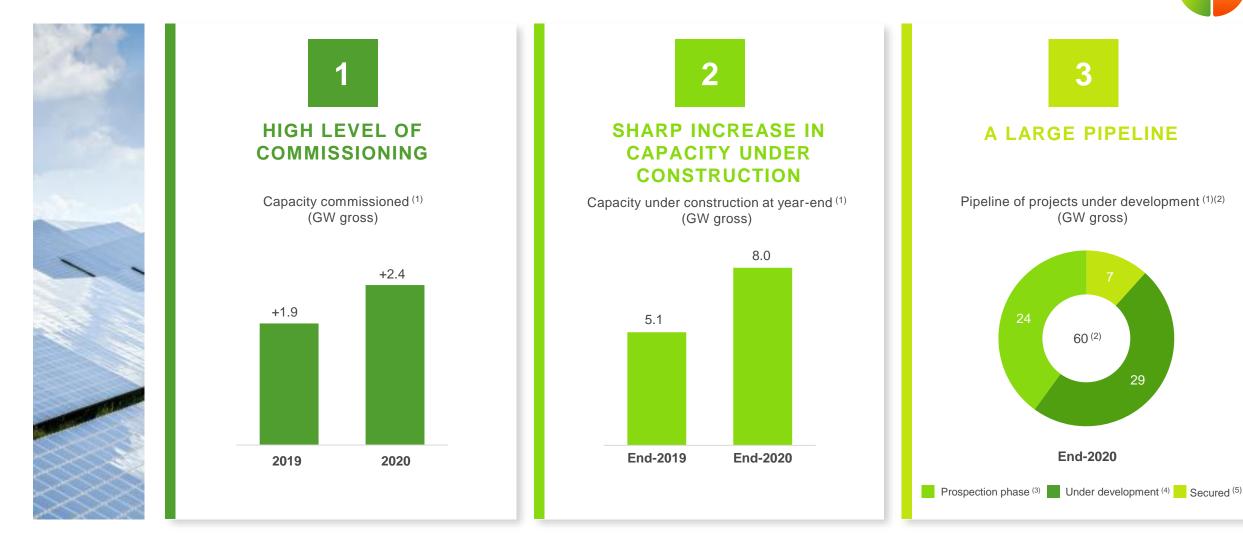
 Very sharp increase in net investments in the absence of significant disposal transaction



GROUP RENEWABLES RECORD LEVEL OF **PROJECTS UNDER CONSTRUCTION TO 8GW gross** AT END-DECEMBER 2020 (2.5GW WIND, 1.6GW OFFSHORE WIND, 3.9GW SOLAR)

⁽³⁾ For the optimised renewable electricity generation activities within a larger portfolio of generation assets, in particular relating to France's hydropower fleet, sales and EBITDA are estimated, by convention, as the valuation of the output generated at market prices (or the purchase obligation tariff), without taking into account hedging effects, and taking into account the valuation of the capacity, if applicable.

RENEWABLES: STRONG ACCELERATION IN GROWTH (1/3)



- (1) Wind and solar capacities.
- (2) Pipeline excluding capacity under construction. All the projects in prospection phase included in the pipeline, starting 2020

(3) Start of land identification and preliminary studies

(4) Sufficient land securisation and start of technical studies

(5) Securing a power purchase agreement (following a call for tenders, auction, OTC negotiation)

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RENEWABLES: STRONG ACCELERATION IN GROWTH (2/3)





Construction launches in France ~1GW

- Fécamp, 500MW, commissioning planned for 2023
- Courseulles-sur-Mer, 450MW, commissioning planned for 2024

First projects in China ~500MW

302MW in operation and 200MW under construction

Other construction in progress ~1GW

- Saint-Nazaire, 480MW, France, commissioning planned for 2022
- Neart-Na-Gaoithe, 450MW, Scotland, commissioning planned for 2023

Development of a 1GW project in Ireland

STRENGTHENING IN ONSHORE WIND

Commissioning of 1.4GW (o/w 1GW in the USA)

Construction launch of a 400MW wind farm in Saudi Arabia (commissioning planned in 2022)

ACCELERATION IN SOLAR

Major successes

2GW in the United Arab Emirates, the world's largest solar project to date

- 1.3GW in India
- ~200MW in France

Commissioning of ~1GW

400MW in the United Arab Emirates,

500MW in the USA

Acquisition of a 4.5GW pipeline of projects in the USA

SOLAR PLAN IN FRANCE



~2.5GW of ground-based projects in development at end-2020

- ~0.5GW of secured projects at end-2020
- ~0.3GW under construction at end-2020

Construction launch for the first floating photovoltaic power plant

CRE tender # 4.8: market share of ~ 30% reached

RENEWABLES: STRONG ACCELERATION IN GROWTH (3/3)





IMPLEMENTATION OF THE STORAGE PLAN

CONSTRUCTION OF 100MW IN THE UNITED KINGDOM

First two projects ⁽²⁾ of Pivot Power

SIGNATURE OF A PPA FOR A 180MW STORAGE SYSTEM PROJECT IN THE USA

Chuckwalla: Storage system $^{\rm (3)}$ coupled with a 200MW solar power plant, to deliver 180MW over four hours

TENDER AWARDED FOR 90MW IN ISRAEL

Storage systems $^{\rm (3)}$ coupled with 230MW solar projects, to deliver 90MW over four hours

COMMISSIONING IN FRANCE

Toucan 2, photovoltaic plant coupled with a smart storage system $^{\rm (3)}$ in French Guiana

~ 1GW PROJECTS BUILT OR SECURED AT END-2020



DEVELOPMENT IN HYDRO POWER

MODERNISATION OF ROMANCHE-GAVET PLANT IN FRANCE

Commissioning of the new power plant (97 MW) and power output increased by 40%

INTERNATIONAL HYDRO POWER

PROJECTS AND POWER PLANT CONSTRUCTIONS

Nachtigal construction (420MW) in Cameroon, nearly 37% of the civil engineering work carried out, consortium including EDF (commissioning planned in 2024)

Mpatamanga project (350MW) in Malawi: prequalification of the consortium including EDF, as exclusive developer

ENGINEERING ASSISTANCE FOR PSHP⁽¹⁾ PROJECTS

Hatta (250MW) in United Arab Emirates: construction kicked-off, supervised by EDF

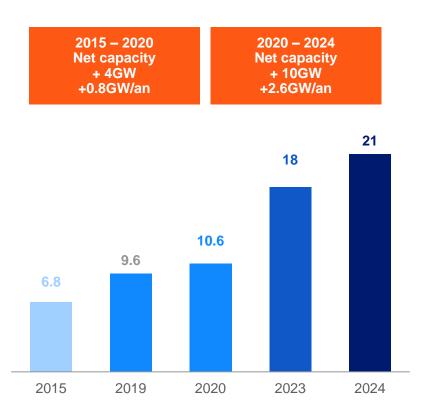
Pumped-storage hydropower plant.
 Storage for network services
 Storage for generation optimisation



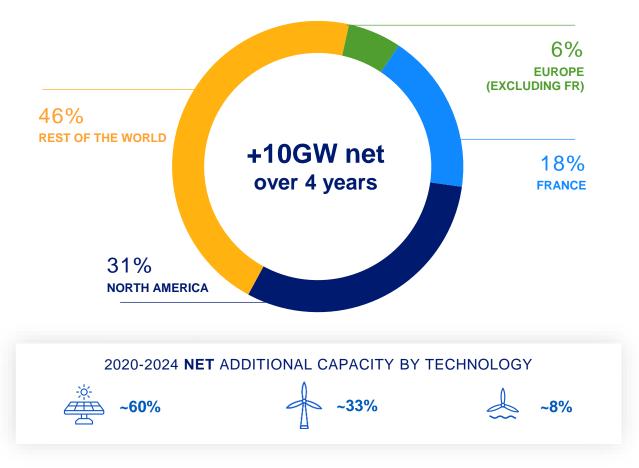
BALANCED ACCELERATION ACROSS GEOGRAPHIES AND TECHNOLOGIES

NB: This financial communication contains forward-looking data based on targets. Although management believes that this data is reasonable, investors are cautioned that such data is subject to numerous risks and uncertainties that could cause actual results and developments to differ materially from those expressed herein

2024 NET INSTALLED CAPACITY TARGET (GW) (1)



2020-2024 NET ADDITIONAL CAPACITY BY GEOGRAPHIC REGION (GW) ⁽¹⁾

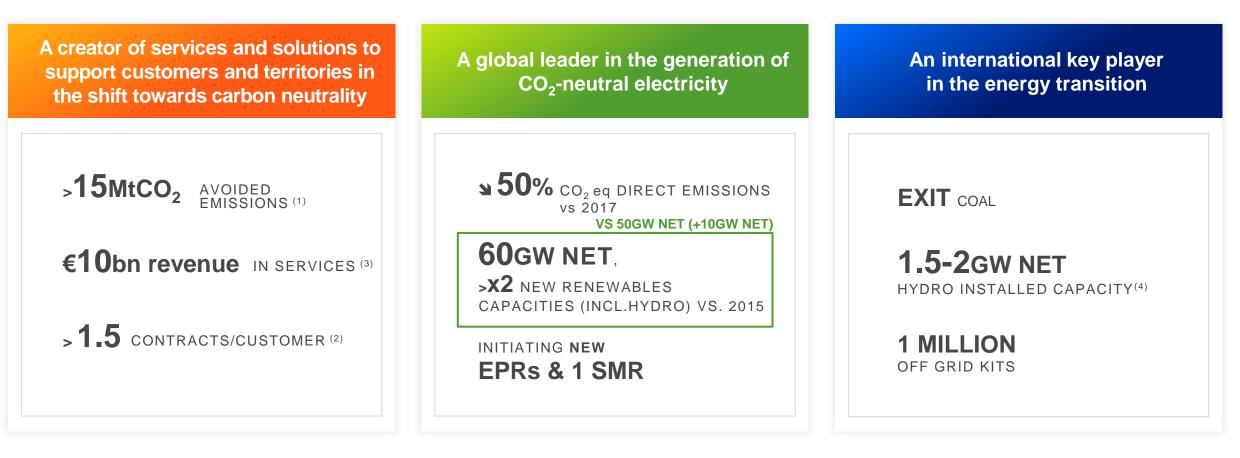


(1) Solar and wind. Installed capacity shown as net, corresponding to the consolidated data based on EDF's participation in Group companies, including investments in affiliates and joint ventures

2030 STRATEGIC TARGETS UPGRADE

CAP 2030

To build a net zero energy future with electricity and innovative solutions and services, to help save the planet and drive wellbeing and economic development



Scope: (1) Customers, Services & Territories sector's activities. EDF estimate, including CO₂ savings linked mainly to heating and cooling networks, the development of the electric vehicle and energy saving certificates; (2) EDF estimate: France, UK, Italy and Belgium (Residential); (3) Group; (4) Excluding priority countries in Europe (France, Italy, UK and Belgium)



ANTICIPATING AND SEIZING NEW TRENDS WILL BE A CRITICAL SUCCESS FACTOR TO CREATE DURABLE VALUE



New Route to Market opportunities : growing merchant exposure and corporate PPAs market



Technological improvements: digital optimization, bifacial modules, floating offshore/PV, Agri-PV etc.



Emergence of storage and green H2 to complement renewable energy sources, hybrid projects



Microgrids for off grid users or users with poor connection, also including distribution



Making the most of these new trends from an early stage will be a precious asset for value creation



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EDF RENEWABLES

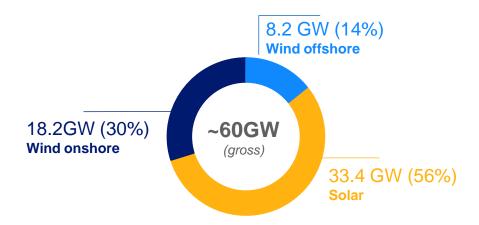
APPENDICES

A PORTFOLIO OF WIND AND SOLAR PROJECTS OF ~60GW⁽¹⁾

30 20.7GW 9 25.1GW 4.9GW

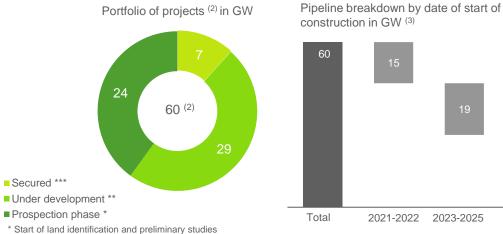
A PROJECT PORTFOLIO THAT IS BALANCED GEOGRAPHICALLY ...

... BALANCED BETWEEN WIND AND SOLAR...



... and also BALANCED IN TERMS OF MATURITY STAGE...

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** Sufficient land securisation and start of technical studies

*** Securing a power purchase agreement (following a call for tenders, auction, OTC negotiation)

Pipeline excluding capacities under construction. Gross data corresponding to 100% of the capacity of the projects concerned. (1)

- All the projects in prospection phase included in the pipeline, starting 2020 (2)
- 2020 portfolio start of construction potential, not probability-based (3)

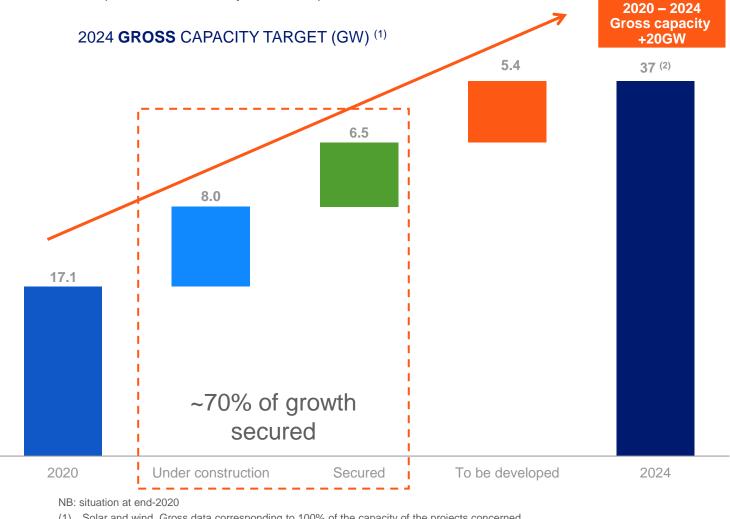


>2025

2021-2022 2023-2025

STRONG GROWTH EXPECTED THANKS TO MORE THAN 14GW OF PROJECTS **ALREADY SECURED**

NB: This financial communication contains forward-looking data based on targets. Although management believes that this data is reasonable, investors are cautioned that such data is subject to numerous risks and uncertainties that could cause actual results and developments to differ materially from those expressed herein



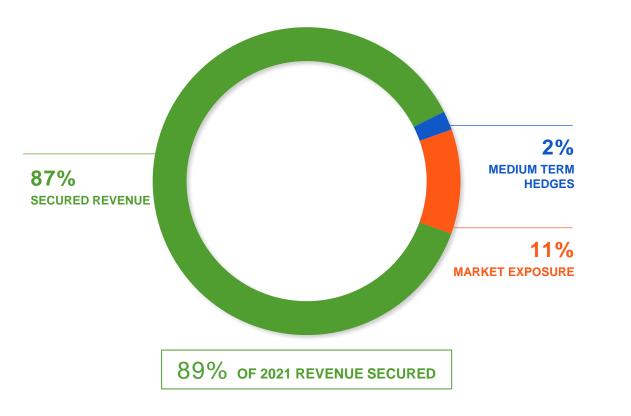


(1) Solar and wind. Gross data corresponding to 100% of the capacity of the projects concerned

(2) As a reminder, the 2023 objective fixed in 2019 was 32.4GW, raised in 2020 at 33.5GW

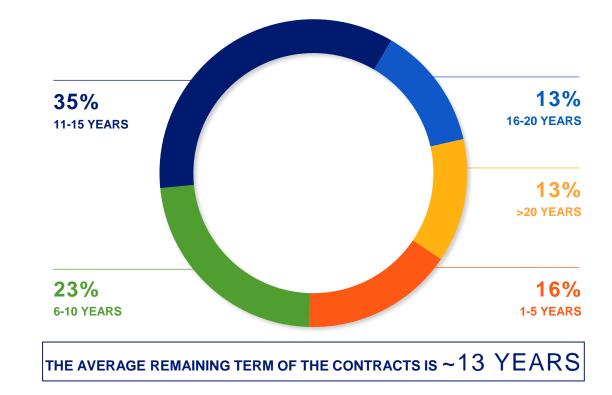
REVENUE SECURED BY LONG-TERM CONTRACTS

CONTRACTUALISATION OF 2021 CONSOLIDATED REVENUE FROM RENEWABLE GENERATION (in %) ⁽¹⁾



AVERAGE RESIDUAL DURATION OF LONG TERM CONTRACTS

(in years) ⁽²⁾



(1) Based on the estimate of 2021 revenues from fully consolidated assets

(2) Weighting according to estimated 2021 revenues of fully consolidated assets

OFFSHORE WIND DEVELOPMENTS IN FRANCE: 5 PROJECTS FOR A TOTAL CAPACITY OF MORE THAN 2GW, INCLUDING ~ 1.5GW UNDER CONSTRUCTION

Ongoing construction of Saint Nazaire offshore wind farm (started in 2019, expected commissioning in 2022, ~€2bn total investments, partnership with Enbridge)

MAJOR ACHIEVEMENTS IN 2020 and Q1 2021:

- Fécamp offshore wind farm
 - Start of construction in June 2020
 - Expected commissioning in 2023
 - ~ €2bn total investment, partnership with Enbrigde and WPD
- Courseulles-sur-Mer offshore wind farm
 - Start of construction in February 2021
 - Expected commissioning in 2024
 - ~ €2bn total investment, partnership with Enbrigde and WPD

Further developments:

• Ongoing development of **Dunkirk offshore wind farm** (~1bn€ total investment): public consultation in H2 2020



Development in progress of **Provence Grand Large**, a floating wind pilot project: contract awarded to EDF Renewables for the installation of three 8MW turbines on floating foundations off the coast of Fos-sur-mer



ANNUAL RESULTS 2020

INTERNATIONAL OFFSHORE WIND DEVELOPMENTS: NEARLY 4GW IN DEVELOPMENT, 450MW UNDER CONSTRUCTION IN SCOTLAND

Codling project in Ireland

- Equity investment of 50%
- Project under development in South Dublin, located on 2 adjacent sites
- Irish CfD ("RESS") auction targeted for 2022
- Total capacity: ~1GW

Atlantic Shores project in the United States

- Ongoing developments off the coast of New Jersey
- Joint-venture with Shell
- Secured a 742 km² Lease Area 12-16 km off the shoreline in shallow water depth (~20m)
- New Jersey RFP bid submitted on
 10 December 2020 for a maximum of 2.3GW

Neart Na Gaoithe project in Scotland

- Start of construction in 2019
- Total capacity: 450MW (54 turbines)
- Commissioning scheduled for 2023
- Partnership with the Irish utility ESB at 50%
- Total investment: ~£2bn
- Contract for Difference (CfD) over 15 years (£114.39/MWh in $_{2012f}$)

Dongtai IV and V projects in China

- Joint-venture with China Energy Renewables (ex-shenhua Renewables), a subsidiary of China Energy Investment Corporation
- Total capacity: 502MW (Dongtai IV: 302MW, Dongtai V: 200MW)
- Commissioning of Dongtai IV in December 2019, Dongtai V under construction (commissioning planned for 2021)

THE FRENCH SOLAR PLAN

A STRONG ACCELERATION OF SOLAR PV DEVELOPMENTS

TARGET

BE A LEADER IN FRANCE

30% MARKET SHARE ⁽¹⁾ BY 2035

SOLAR PLAN WELL UNDER WAY



c.2.5GW of grounded-based projects in development at end-2020





c.500MW of secured projects at end-2020

under construction at end-2020

c.250MW





vs 2017



CRE tender 4.8 : market share of ~ 30% reached



ELECTRICITY STORAGE PLAN ⁽¹⁾



TARGET

DEVELOP 10GW IN NEW STORAGE SITES WORLDWIDE BY 2035, IN ADDITION TO THE 5GW OPERATED TODAY ⁽²⁾



ACHIEVEMENTS AND PROJECTS

A PORTFOLIO OF COMPLETED OR SECURED PROJECTS HAVING INCREASED BY OVER 58% IN 2020 TO A TOTAL 950MW AT END-DECEMBER 2020

Results in line with the initial trajectory of the Electricity Storage Plan

The results in 2020 benefited from the contribution of major large scale projects:

- Signature of the Chuckwalla PPA (Nevada): storage system coupled with a 200MW solar power plant, to deliver 180MW over four hours
- Construction of the first two Pivot Power projects (UK) : 2 x 50MW

Winner of the PV + storage tender in Israel: storage systems coupled with 230MW solar projects, to deliver 90MW over four hours

INVESTMENTS TO PREPARE FOR THE FUTURE:

Acquisition of a stake in Ecosun (PV containers + storage, plug-in ready) to address the small-scale microgrid segment

Participation in the capital increase of start-up PowerUp to develop assessment and optimisation services for stationary batteries

Commissioning of the post-mortem battery analysis R&D lab

(1) The EDF group's business development model is based on partnerships. Not all of these projects will necessarily be fully consolidated

2) Principally PSHP (Pumped-Storage Hydropower Plants)

ANNUAL RESULTS 2020

AL DHAFRA PROJECT: CURRENTLY THE WORLD'S LARGEST SOLAR PROJECT (2GW) AWARDED TO EDF-JINKO CONSORTIUM

2020 achievements :

- July : EDF Renewables and Jinko Power have been awarded the Al Dhafra solar project in Abu Dhabi (UAE) by EWEC (Emirates Water and Electricity Company)
- **December :** Financing secured

Al Dhafra project key features

- Location: 35km south of Abu Dhabi City.
- Capacity: 2GW (largest single-project solar plant in the world, equivalent electricity to power over 160,000 local households)
- Shareholding: Public-Private Partnership (PPP). EDF Renewables and Jinko Power will hold 20% each. The 60% remaining shares will be owned by TAQA and Masdar
- Technology: bifacial modules



A SUSTAINABLE BUSINESS MODEL BASED ON KEY COMPETITIVE ADVANTAGES

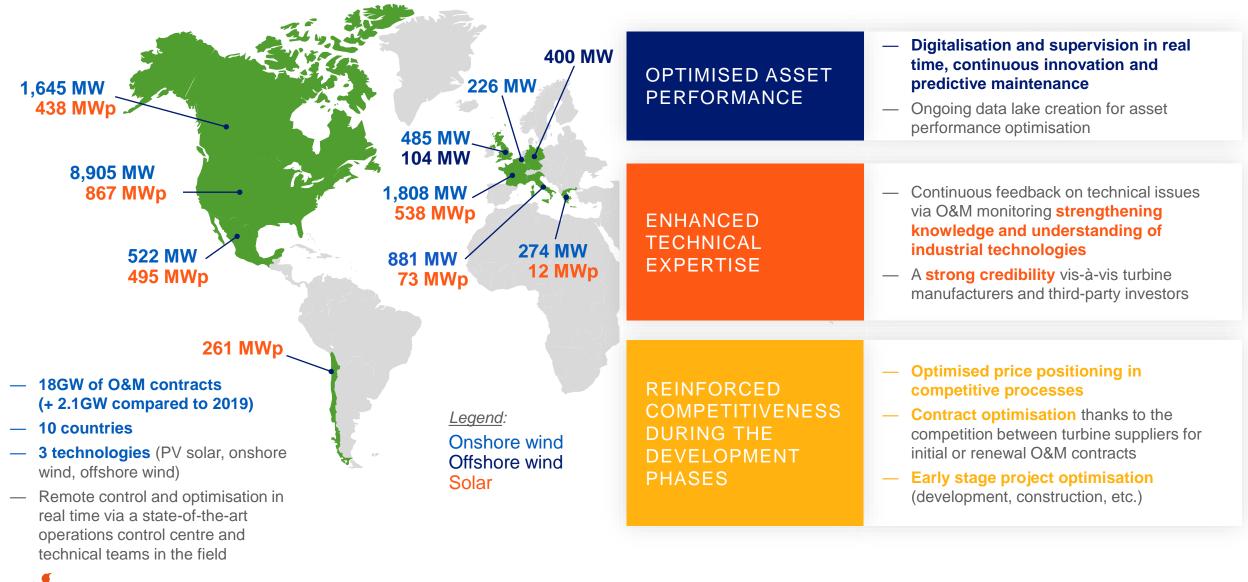
DEVELOPMENT	 Key competitive advantages for the development of a strong project portfolio A large and diverse international presence with seasoned development and engineering teams (1300 employees¹) teams in Europe and North America and dedicated development hubs in Asia Pacific, Latin America, Middle East North Africa Expertise in site security, engineering, procurement, structured financial arrangements and participation in tenders Key local partnerships in order to share investments, country risk and maximize competitive advantages Strong portfolio, in renewal and with a good transformation rate (current construction rate at c.20%) Synergies within EDF for customer-tailored solution (PPAs for commercial and industrial customers, off-grid or decentralised offers) 	
ENGINEERING & CONSTRUCTION	 Strong engineering expertise Significant expertise in the construction of industrial-scale projects and operational excellence in delivering at budgets and deadlines Continued technical innovation to seize opportunities in new markets (floating PV, floating offshore wind, etc.) 	VALUE CREATION: +150-200 bps DIFFERENCE ⁽²⁾ BETWEEN THE EXPECTED RETURN
O&M AND ASSET MANAGEMENT	— Integrated skills in O&M supporting operational excellence, optimised production, technological expertise	RATE AND WACC
FINANCE (1) EDF Renewables Development,	 Maximised value creation via demanding investment policy, selective acquisition strategy and regular asset rotation approach Engineering and Construction internal teams. Excluding contractors and partners capabilities 	

(2) Historical average performance estimated as part of a profitability analysis of EDF Renewables projects (scope: 81% of installed capacity, 6.6GW net, 118 projects, 14 countries). The IRR calculation takes into consideration the various assumptions, in particular the evolution of market prices, excluding volumes and periods covered by the PPAs

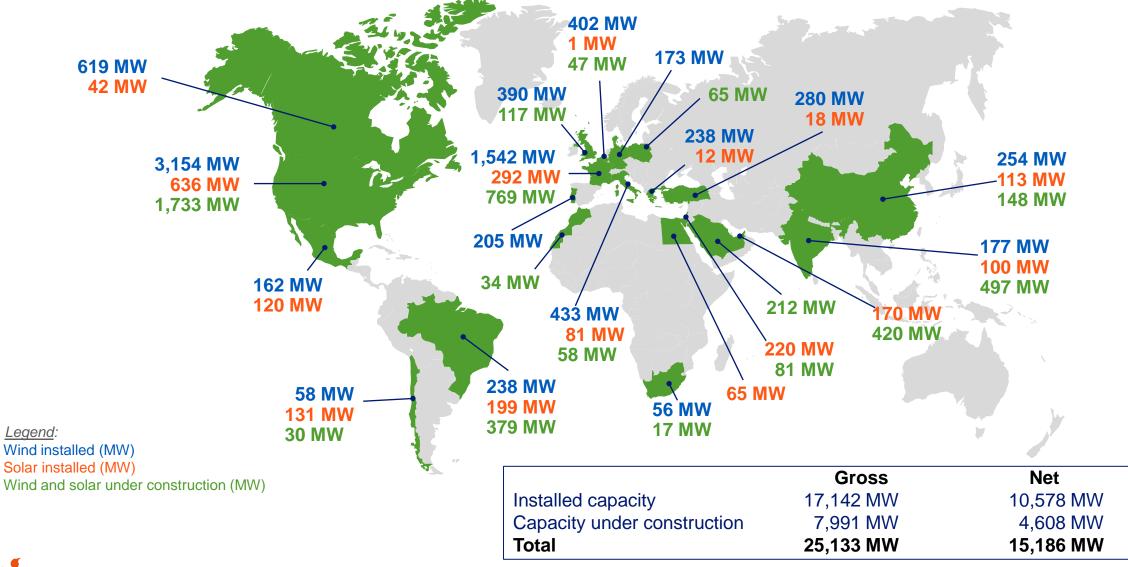
TECHNOLOGICAL INNOVATION: A KEY COMPETITIVE ADVANTAGE

PHOTOVOLTAIC SOLAR	 Increase the capacity of installations thanks to bifacial PV modules (technology selected for AI Dhafra project – 2GW) Unlock new potentials in solar PV in geographically constrained areas thanks to floating photovoltaic solar installations Beginning of the construction of the first floating photovoltaic power plant of 20MW in France (Lazer, Hautes-Alpes) Winning a tender in Israel (50MW) and Agri-PV 1st co-developed pilot project with EDF R&D and INRA, in operation at EDF R&D center « les Renardières » Signature of a charter with the FNSEA to develop and better supervise ground-based photovoltaic projects on agricultural lands in France
OFFSHORE WIND	 Exploiting new offshore potential with floating: Provence Grand Large (France, a floating project of 3 x 8.4MW located off the coast of Fos-Sur-Mer)
STORAGE	 Development of flexibility on the grid using Li-ion batteries coupled to generation assets: Toucan 2, French Guyana (solar PV) and Chuckwalla, United States (solar photovoltaic) Development of storage projects (acquisition of Pivot Power in the UK in 2019, with 2 projects to be commissioned in Q1 2021) and charging systems for electric vehicles (acquisition of PowerFlex in the United States in 2019, installation of 2,500 EV charging stations in 2020)

~ 18GW OF O&M: STRONG EXPERTISE, DIFFERENTIATING FACTOR



NET INSTALLED AND UNDER CONSTRUCTION CAPACITY - 31 DECEMBER 2020



INSTALLED CAPACITY AND CAPACITY UNDER CONSTRUCTION, WIND & SOLAR, AS OF 31 DECEMBER 2020

(in MW)	Gross ⁽¹⁾		Net ⁽²⁾	
	31/12/2019	31/12/2020	31/12/2019	31/12/2020
Wind	12,416	13,266	7,827	8,379
Solar	2,900	3,876	1,750	2,199
Total installed capacity	15,316	17,142	9,577	10,578
Wind under construction	3,531	4,126	2,131	2,680
Solar under construction	1,525	3,865	1,166	1,928
Total capacity under construction	5,056	7,991	3,297	4,608

NB: The values correspond to the expression to the first decimal or integer closest to the sum of the precise values, taking into account rounding

(1) Gross capacity: total capacity of the facilities in which EDF Renewables has a stake

(2) Net capacity: capacity corresponding to EDF Renewables' stake