Sedf

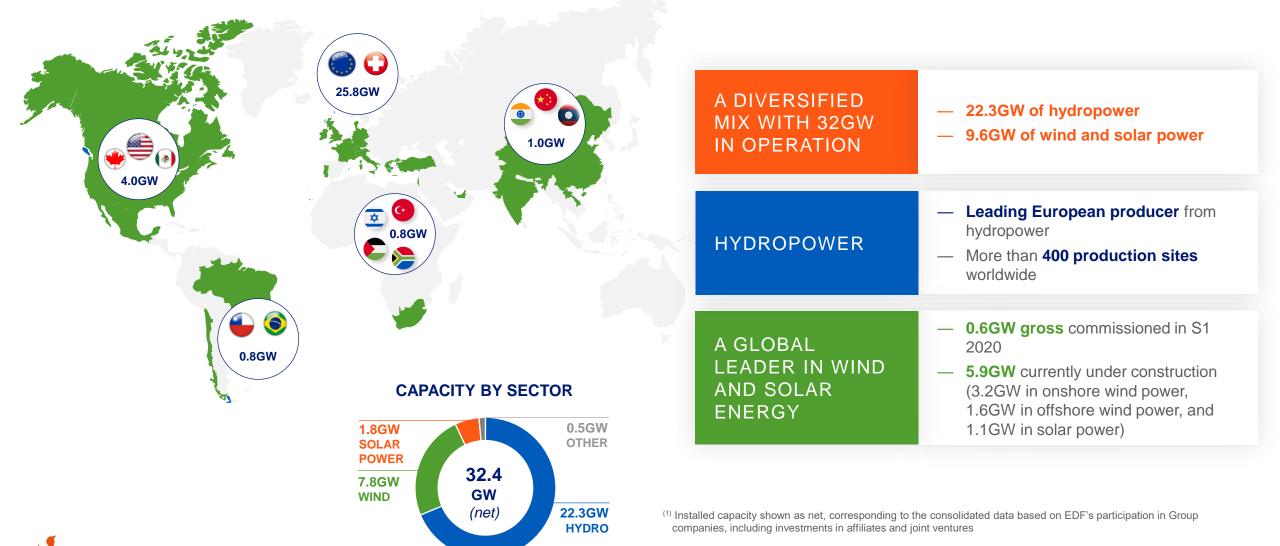
EDF RENEWABLES

A GLOBAL LEADER IN RENEWABLE ENERGY

BRUNO BENSASSON EDF Group Senior Executive VP, in charge of Renewable Energies and CEO of EDF Renewables

EDF A GLOBAL LEADER IN RENEWABLE ENERGY, #1 IN EUROPE

NET INSTALLED CAPACITY: 32.4GW (1)



2

FOCUS ON 2020 HALF-YEAR RESULTS: CONTINUED GROWTH IN RENEWABLES

EDF RENEWABLES						
In €m	H1 2019	H1 2020	Δ%	$\Delta\%$ Org. ⁽¹⁾		
EBITDA	405	418	+3.2	+14.1		
o/w generation EBITDA	472	471	-0.3	+6.9		

- > Covid-19 effects non material
- Electricity output: 7.9TWh, up +0.6TWh or 7.4% in organic. Impacts of additional wind farms and solar plants capacities commissioned at end-2019 (USA, Canada, France, India) and good wind and solar conditions
- > DSSA activity sustained growth in H1 2020 mainly in the United States

EDF RENEWABLES RECORD LEVEL OF **PROJECTS UNDER CONSTRUCTION TO 5.9GW** GROSS AT END-JUNE 2020 (3.1GW WIND, 1.6GW OFFSHORE WIND, 1.1GW SOLAR AND 0.1GW STORAGE)

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

GROUP RENEWABLES⁽²⁾

In €m	H1 2019	H1 2020	Δ %	Δ %Org. ⁽¹⁾
EBITDA ⁽²⁾	881	859	-3	-2
Net investments	(489)	(783)	+60	

> EBITDA

- Negative effect of power spot prices (-€18/MWh)⁽²⁾ in Hydro France despite good hydro generation (+29.4% vs. H1 2019)
- Full-year effect of wind and solar farms commissioned and better wind and solar conditions

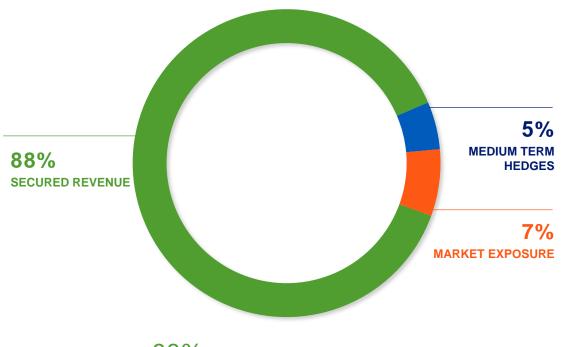
> Net investments

 Strong investments in the United States at EDF Renewables and lower subsidies in H1 2020

(2) 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.

REVENUE SECURED BY LONG-TERM CONTRACTS

CONTRACTUALISATION OF 2020 CONSOLIDATED REVENUES FROM RENEWABLE GENERATION (in %) ⁽¹⁾



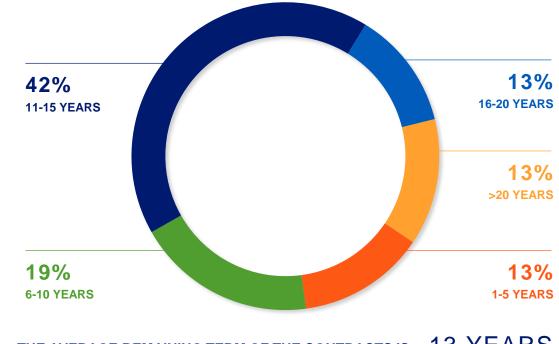
93% of 2020 revenues secured

(1) Based on the estimate of 2020 revenues from fully consolidated assets

(2) Weighting according to estimated 2020 revenues of fully consolidated assets

AVERAGE RESIDUAL DURATION OF LONG TERM CONTRACTS

(in years) ⁽²⁾



The average remaining term of the contracts is ~ 13 YEARS

A PORTFOLIO OF WIND AND SOLAR PROJECTS OF MORE THAN 39GW⁽¹⁾

A PROJECT PORTFOLIO THAT IS DIVERSIFIED GEOGRAPHICALLY...

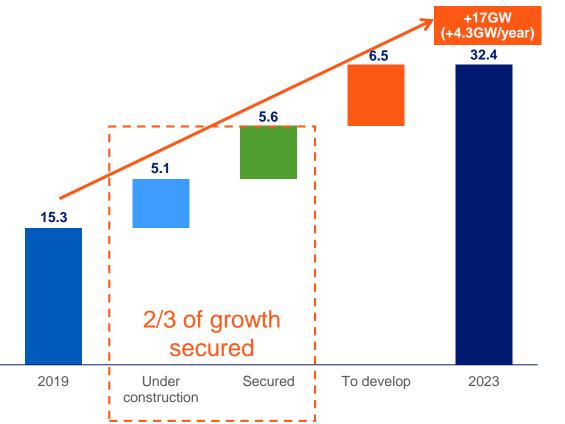
15.4 GW 20.4 GW (52%) SOLAR 14.2GW ÷ 39.1GW (gross) 2.6GW 18.7GW (48%) WIND 1.9GW



... AND BALANCED BETWEEN WIND AND SOLAR

STRONG GROWTH EXPECTED THANKS TO MORE THAN 10GW 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.



2023 GROSS CAPACITY TARGET (GW) ⁽¹⁾

2023 NET INSTALLED CAPACITY TARGET (GW) ⁽³⁾





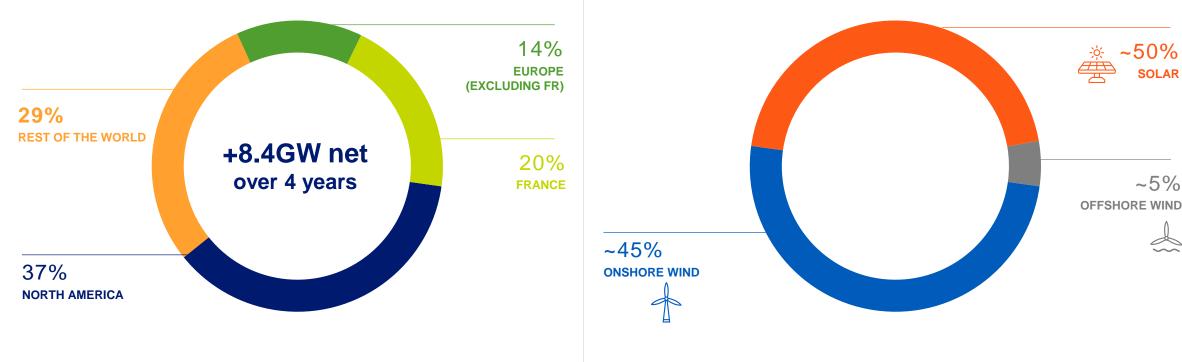
- (1) Solar and wind. Gross data corresponding to 100% of the capacity of the projects concerned.
- (2) Situation at end of 2019

(3) 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

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.

2020-2023 NET ADDITIONAL CAPACITY BY TECHNOLOGY



2020-2023 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

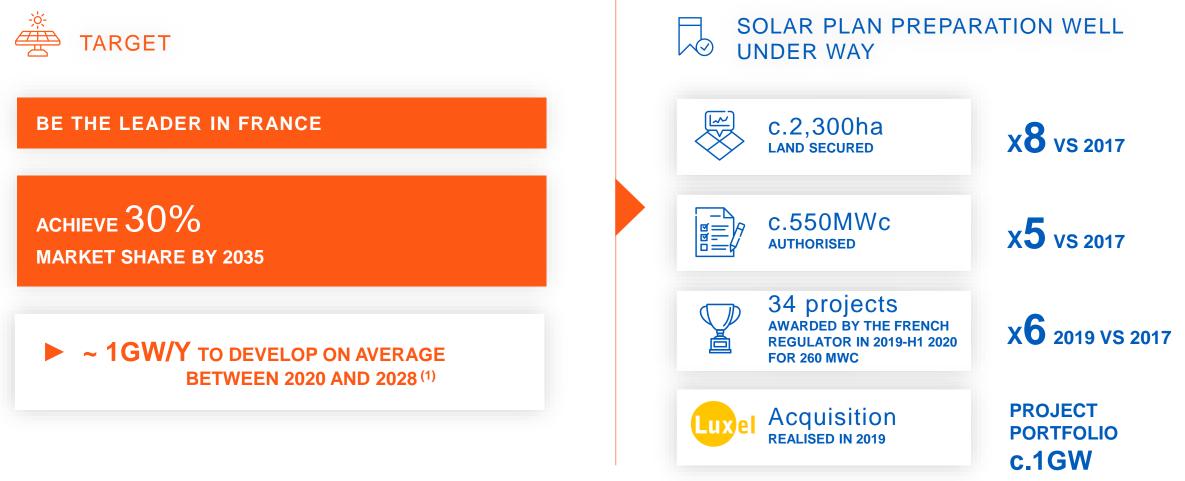


~5%

THE FRENCH SOLAR PLAN

A STRONG ACCELERATION OF SOLAR PV DEVELOPMENTS





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



NEW MARKET ACCESS AND SOLUTIONS ADAPTED TO CUSTOMER NEEDS

NEW ACCESS TO MARKETS	— Development of "corporate" PPAs for more than 1.5GW in the United States, Brazil, China, UK, France
	 EDF Renewables North America and Shell Energy North America have signed a PPA for 15 years for a 132MWp photovoltaic plant in California
	 EDF Renewables UK and Tesco have signed a 15-year PPA for 60MW of rooftop solar power and onshore wind
	 Agregio signed PPAs with Maïsadour and Metro
AND SOLUTIONS ADAPTED TO CUSTOMER NEEDS	 Installation of rooftop photovoltaic panels for industrial and commercial customers (France, UK, Egypt, China, etc.) Deployment of off-grid solar kits for rural electrification, developments in Africa (>100k customers) Egypt: strategic acquisition of a stake in Karm Solar, a key independent player in the generation of renewable energy, supplying solar energy to farmers and commercial customers, with a portfolio of solar PV projects of 170MWp EMS⁽¹⁾ achievements via EDF Store & Forecast: Guadeloupe, Martinique, Corsica, Saint-Nicolas des Glénans, New Caledonia

TECHNOLOGICAL INNOVATION: A KEY COMPETITIVE ADVANTAGE

※ PHOTOVOLTAIC 登 SOLAR POWER	 Increase the capacity of installations thanks to two-sided photovoltaic modules Unlock new potentials in solar PV in geographically constrained areas thanks to floating photovoltaic solar installations ✓ Development of a floating photovoltaic solar power plant on the Lazer dam (France, Hautes-Alpes) and Agri-PV ✓ 1st co-developed pilot project with EDF R&D and INRA
OFFSHORE WIND	• Exploiting new potential in offshore wind power with floating wind power: Provence Grand Large (France, a floating project of 3 x 8.4MW located off the coast of Fos-Sur-Mer)
✤ STORAGE	 Hybridisation of renewable assets and thermal storage: Noor Midelt I project in Morocco (800MW hybrid project combining photovoltaic solar, concentrated solar (CSP), storage using molten salts) Development of flexibility on the grid using Li-ion batteries coupled to generation assets: Petit Canal, Guadeloupe (wind) and Chuckwalla, United States (PV power plant) Development of batteries (acquisition of Pivot Power in the UK) and charging systems for electric vehicles (acquisition of PowerFlex in the United States)



A SUSTAINABLE BUSINESS MODEL BASED ON KEY COMPETITIVE ADVANTAGES

Corrections development عربی ا	 Key competitive advantages for the development of a strong project portfolio A large and diverse international presence Key local partnerships in order to share investments and country risk Expertise in site security, engineering, procurement, arrangement of structured finance and responses to calls for tenders Synergies within EDF for customised solutions for customers (PPAs for industrials, off-grid or decentralised offers) 	
	 — Strong engineering expertise 	VALUE CREATION:
ENGINEERING & CONSTRUCTION	 — Significant expertise in the construction of industrial-scale projects and operational excellence in construction to meet budgets and deadlines 	+150-200 bps
	 Continued technical innovation to seize opportunities in new markets (floating PV, floating offshore wind, etc.) 	DIFFERENCE ⁽¹⁾ BETWEEN THE
		FORECAST RETURN RATE AND THE WACC
0&M AND ASSET MANAGEMENT	 Integrated skills in O&M supporting operational excellence, optimised production, technological expertise 	
ASSET ROTATION	 Maximised value creation via a selective asset rotation approach (with assets sold mainly post- construction) 	

(1) Average performance estimated as part of a profitability analysis of EDF Renewables projects (scope: 79% of installed capacity, 103 power plants, 6.2GW net, 14 countries). The calculation of TRI take into consideration the various hypothesis, in particular on market prices evolution, excluding volumes and periods covered by the PPAs



OFFSHORE WIND DEVELOPMENTS IN FRANCE: 4 PROJECTS FOR A TOTAL CAPACITY OF 2GW, INCLUDING 480MW UNDER CONSTRUCTION

MAJOR ACHIEVEMENTS IN 2019 AND 2020:



- Saint Nazaire offshore wind farm:
 - Start of construction in 2019
 - Commissioning scheduled for 2022
 - Total investments of ~ €2bn
 - Partnership with Enbridge
- Fécamp offshore wind farm
 - Start of the construction in 2020
 - Commissioning scheduled for 2023
 - Total investment of ~ €2bn
 - Partnership with Enbrigde avec wpd Offshore
- Dunkirk offshore wind farm:
 - EDF Renouvelables wins the tender in 2019
 - Partnership with Enbridge and Innogy
 - Public debate scheduled for Automn 2020
 - Commissioning scheduled for 2027

COMING

- Courseulles-sur-Mer offshore wind farm
 - Start of the consctruction in winter 2020-2021
 - Commissioning scheduled for 2024
 - Total investment of ~€2bn
 - · Partnership with Enbridge and wpd Offshore



Development in progress of **Provence Grand Large**, a floating wind pilot project: contract awarded to EDF Renouvelables for the installation of three 8MW turbines on floating

foundations off the coast of Fos-sur-mer



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

Codling project in Ireland

- EDF acquires 50% of the offshore wind power project
- Project under development in South Dublin, located on 2 sites
- Codling 1 has received constructionoperation approval
- Total capacity: ~1GW

Atlantic Shores project in the United

- Ongoing developments off the coast of
 New Jersey
- Securing an area of ~800 km² through the signature of a Joint Venture Lease with Shell
- Shallow water depth (~20m)
- Total potential: ~2GW
- Construction planned starting in 2026

Reart Na Gaoithe project in Scotland

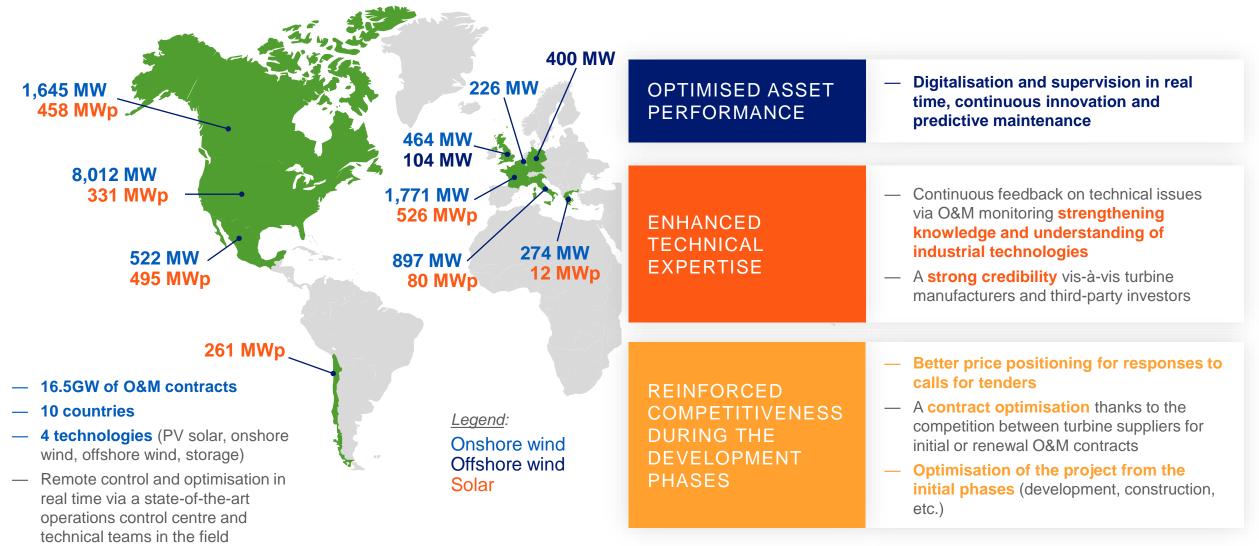
- Start of construction in 2019
- Total capacity: 450MW (54 turbines)
- Commissioning scheduled for 2023
- Partnership with ESB
- Total investment: ~£2bn
- Contract for Difference (CfD) over 15 years $(\pounds114,39/MWh in_{2012\pounds})$

Dongtai IV and V projects in China

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



~ 17 GW OF O&M: STRONG EXPERTISE, DIFFERENTIATING FACTOR



AL DHAFRA PROJECT: WORLD'S LARGEST SOLAR PROJECT AWARDED TO EDF-JINKO CONSORTIUM

KEY PROJECT FACTS:

- 35 kilometers south of Abu Dhabi City, United Arab Emirates
- 2GW capacity ~ equivalent electricity to power over 160,000 local households
- Bifacial module technology
- 1.35 USDcent/kWh on a Levelized Electricity Cost basis
- Public-Private Partnership (PPP) scheme. EDF Renewables and Jinko Power will hold 20% each. The 60% remaining share will be owned by TAQA and Masdar.
- 30-year Power Purchase Agreement (PPA)
- COD in 2022
- Over 4,000 jobs during the construction phase



