Operating Data Preview 2022

Madrid, January 25th, 2023

Key Highlights

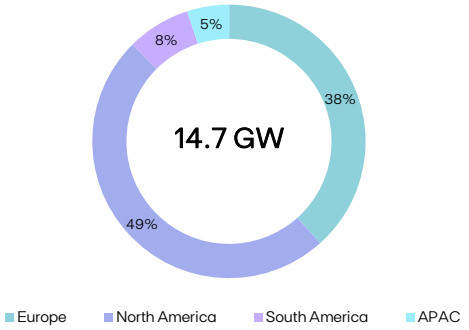
EDPR continues to deliver solid operational performance on the back of higher installed capacity and stronger renewable resources. In 2022, additions amounted to 2.1 GW (+0.9 GW in 4Q22) and, as of Dec-22, EDPR had 4.0 GW under construction (>2x than Dec-21 levels) supporting the additions for 2023 and beyond.

- **Installed capacity increased to 14.7 GW,** with Europe and North America representing 38% and 49% of the portfolio, respectively, **and a higher technology diversification with 12.7 GW of wind onshore, 1.7 GW of solar and 1.5 GW of gross wind offshore in operation.**
- **In 2022, EDPR added 2.1 GW of capacity,** mainly driven by the successful expansion of 0.7 GW in solar assets in the APAC region, which now represents 5% of EDPR's total portfolio, and South America adding 0.6 GW in the same period. EDPR also added 0.4 GW in North America and 0.4 GW in Europe, including the first commissioned hybrid solar and wind energy park on the Iberian Peninsula.
- **During 2022, EDPR secured multiple Asset rotation deals that amounted to 1.0 GW of capacity rotated across** Poland, Spain, Italy, Brazil and US, with a successful Build & Transfer of a 200 MW solar project in Indiana. All in all, **net capacity change YoY totalled +1.2 GW.**
- **Capacity under construction reached 4.0 GW as of Dec-22,** balanced between solar and wind, together with the first 40 MW from storage, fostering portfolio diversification, supporting the majority of EDPR's additions for 2023, expected to reach c.4 GW, and including some major projects that have already started construction with commissioning expected post 2023, of which the most sizeable ones are Moray West wind-offshore project in the UK (0.9 GW gross, 0.4 GW net capacity) and the two wind projects in Colombia (0.5 GW).
- **EDPR generated 33.4 TWh of clean energy in 2022 (+10% YoY), with Europe and North America representing 35% and 55% of total generation output, respectively.** In Europe, generation increased +4% YoY, impacted by additions along with a stable renewable resource. In North America, output is up +8% YoY reflecting mainly a stronger renewable resource in the region as well as higher installed capacity. In South America, production increased +39% driven by higher installed capacity in Brazil, despite lower renewable resource. APAC generation, following the additions of solar capacity made during the year, already represent 2% of all EDPR generation.
- **In 2022, EDPR achieved a 30% load factor (+1pp YoY),** with Renewables index +3pp YoY, on the back of new projects in operation.

Installed Capacity

EBITDA + Eq. MW	2022	2021	Additions	AR	YoY
Europe	5,656	5,727	+431	(502)	(71)
North America	7,242	7,030	+412	(200)	+212
South America	1,114	795	+580	(260)	+319
APAC	726	28	+698	-	+698
EDPR	14,738	13,580	+2,121	(963)	+1,159

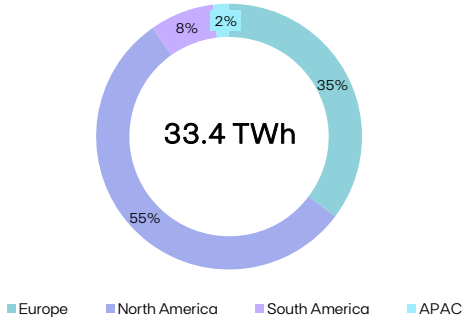
Installed Capacity by Region



Electricity Generation

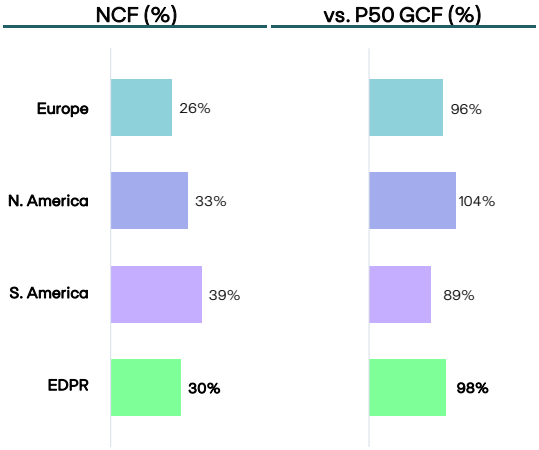
GWh	2022	2021	YoY
Spain	4,885	4,979	(2%)
Portugal	2,715	3,049	(11%)
Rest of Europe	4,178	3,329	+26%
Europe	**11,778**	**11,356**	**+4%**
US	17,029	15,814	+8%
Canada	360	255	+41%
Mexico	973	987	(1%)
North America	**18,362**	**17,057**	**+8%**
Brazil	2,625	1,888	+39%
South America	**2,625**	**1,888**	**+39%**
APAC (1)	**636**	**23**	**-**
EDPR	**33,401**	**30,323**	**+10%**

Generation by Region



Load Factor

NCF (%)	2022	2021	YoY
Spain	26%	26%	-0.1pp
Portugal	27%	28%	-1pp
Rest of Europe	26%	26%	+1pp
Europe	**26%**	**26%**	**-0.1pp**
US	33%	31%	+2pp
Canada	32%	28%	+4pp
Mexico	45%	41%	+4pp
North America	**33%**	**31%**	**+2pp**
Brazil	39%	41%	-2pp
South America	**39%**	**41%**	**-2pp**
APAC (1)	**16%**	**20%**	**-4pp**
EDPR	**30%**	**29%**	**+1pp**



Renewables Index (vs. P50 Gross Capacity Factor)

(%)	2022	2021	YoY
EDPR	98%	96%	+3pp

(1) Note that Sunseap has been incoporated on 24/02/2022, and by FY21 only Trung Son (Solar PV) in Vietnam was in operation.

Note: Solar includes Solar PV + DG technology and Storage. Solar capacity and solar load factors reported in MWac.

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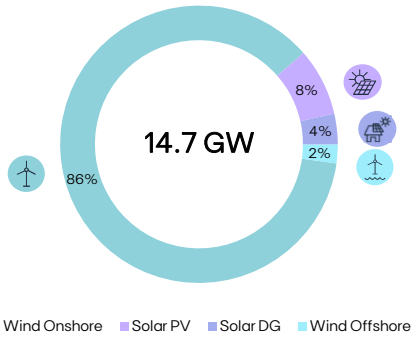
Installed Capacity

MW	2022	2022 Additions	2022 AR	2022 YTD	U/C
Spain	2,166	+153	(181)	(28)	132
Portugal	1,168	+26	-	+26	192
Rest of Europe	1,824	+251	(322)	(70)	523
Europe	**5,158**	**+431**	**(502)**	**(71)**	**847**
US	6,025	+316	(200)	+116	1,775
Canada	130	-	-	-	300
Mexico	496	+96	-	+96	-
North America	**6,650**	**+412**	**(200)**	**+212**	**2,075**
Brazil	1,114	+580	(260)	+319	-
Colombia	-	-	-	-	504
South America	**1,114**	**+580**	**(260)**	**+319**	**504**
Vietnam	405	+377	-	+377	-
Singapore	230	+230	-	+230	88
Rest of APAC	77	+77	-	+77	38
APAC	**711**	**+683**	**-**	**+683**	**126**
EBITDA MW	**13,634**	**+2,106**	**(963)**	**+1,144**	**3,552**
Spain	156	-	-	-	-
Portugal	31	-	-	-	-
Rest of Europe	311	-	-	-	431
Europe	**498**	**-**	**-**	**-**	**431**
US	592	-	-	-	-
North America	**592**	**-**	**-**	**-**	**-**
APAC	**15**	**+15**	**-**	**+15**	**-**
Eq. Consolidated	**1,105**	**+15**	**-**	**+15**	**431**
EDPR	**14,738**	**+2,121**	**(963)**	**+1,159**	**3,983**

Installed Capacity by Technology



Technology	EBITDA + Equity MW
Wind Onshore	12,724
Solar PV	1,163
Solar DG	529
Wind Offshore	322

Wind Onshore

MW	2022	2022 Additions	2022 AR	2022 YTD	U/C
Spain	2,158	+145	(181)	(36)	20
Portugal	1,156	+18	-	+18	22
Rest of Europe	1,737	+215	(322)	(106)	146
Europe	**5,050**	**+378**	**(502)**	**(124)**	**188**
US	5,750	-	-	-	202
Canada	130	-	-	-	300
Mexico	296	+96	-	+96	-
North America	**6,175**	**+96**	**-**	**+96**	**502**
Brazil	910	+580	(260)	+319	-
Colombia	-	-	-	-	504
South America	**910**	**+580**	**(260)**	**+319**	**504**
EBITDA MW	**12,136**	**+1,053**	**(763)**	**+291**	**1,194**
Spain	156	-	-	-	-
Portugal	20	-	-	-	-
Europe	**175**	**-**	**-**	**-**	**-**
US	413	-	-	-	-
North America	**413**	**-**	**-**	**-**	**-**
Eq. Consolidated	**588**	**-**	**-**	**-**	**-**
EDPR	**12,724**	**+1,053**	**(763)**	**+291**	**1,194**

Capacity Additions YTD

Project	Country	MW
El Castillo	Spain	+25
Bourbriac 2	France	+21
Piedrahita	Spain	+20
Budzyn	Poland	+71
Craco	Italy	+35
Fulgatore	Italy	+44
Warta	Poland	+29
Cabrerizas	Spain	+40
Delmoro	Spain	+12
Sierra de la Venta	Spain	+47
Barão São João	Portugal	+10
Coentral-Safra	Portugal	+8
Liniez 2	France	+11
Serracapriola 1	Italy	+4
Los Canones	Mexico	+96
Monte Verde	Brazil	+319
Boqueirão	Brazil	+80
Jerusalém I	Brazil	+181
Wind Onshore Additions YTD		**+1,053**

Solar

MW	2022	2022 Additions	2022 AR	2022 YTD	U/C
Spain	9	+9	-	+9	112
Portugal	13	+8	-	+8	170
Rest of Europe	86	+36	-	+36	377
Europe	**108**	**+53**	**-**	**+53**	**659**
US	275	+316	(200)	+116	1,573
Mexico	200	-	-	-	-
North America	**475**	**+316**	**(200)**	**+116**	**1,573**
Brazil	204	-	-	-	-
South America	**204**	**-**	**-**	**-**	**-**
Vietnam	405	+377	-	+377	-
Singapore	230	+230	-	+230	88
Rest of APAC	77	+77	-	+77	38
APAC	**711**	**+683**	**-**	**+683**	**126**
EBITDA MW	**1,498**	**+1,053**	**(200)**	**+853**	**2,358**
US	179	-	-	-	-
North America	**179**	**-**	**-**	**-**	**-**
Rest of APAC	15	+15	-	+15	-
APAC	**15**	**+15**	**-**	**+15**	**-**
Eq. Consolidated	**194**	**+15**	**-**	**+15**	**-**
EDPR	**1,691**	**+1,068**	**(200)**	**+868**	**2,358**

Capacity Additions YTD

Project	Country	MW
Acampo Arpal	Spain	+9
Minas de Orgueirel (Hybrid)	Portugal	+8
Konary	Poland	+36
Distributed Solar	US	+116
Indiana Crossroads Solar B&T	US	+200
Sunseap	Vietnam	+377
Sunseap	Singapore	+230
Sunseap	Rest of APAC	+92
Solar Additions YTD		**+1,068**

Wind Offshore

MW	2022	2022 Additions	2022 AR	2022 YTD	U/C
Portugal	11	-	-	-	-
Rest of Europe	311	-	-	-	431
Europe	**322**	**-**	**-**	**-**	**431**
EDPR Eq. Consolidated	**322**	**-**	**-**	**-**	**431**
Ocean Winds Gross Capacity	**1,462**	**-**	**-**	**-**	**912**

Capacity Additions YTD

Wind Offshore Additions YTD	**-**
Wind Offshore Gross Additions YTD	**-**

Note: Solar includes Solar PV + DG technology and Storage. Solar capacity and solar load factors reported in MWac.

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