



edp

ESG REPORT 1H21

Leading on ESG matters at EDP

Key Highlights

This month marks the 45th anniversary of EDP Group. Almost half a century ago, EDP embarked on a journey which has seen the company radically transformed. EDP began as a domestic utility in Portugal, now we are a truly global business leading the energy transition with a footprint in 4 continents and 22 countries.

EDP entered the renewables market ahead of time, two decades ago. Our heritage has continued to forge an ambitious path, setting significant decarbonisation targets and committing to invest € 24 billion in the energy transition over the next five years. By 2030 EDP will be 100% green. We have a decade of experience engaging with our investors and other stakeholders on our commitment and approach to ESG. We know that ESG reporting can have a meaningful impact on the environment and the communities where we operate, and on our bottom line.

We have recently defined a set of 12 strategic sustainability objectives for 2030. These support EDP's ambition as leader in the transition to a low-carbon economy, as well as our firm commitment to protect the environment with a positive societal impact. This strategy is monitored by a set of indicators that measure our progress towards implementing 9 of the 17 Sustainable Development Goals of the United Nations Agenda for 2030, to which we are fully committed.

This is the decade of decisive action for EDP and our motto "Changing Tomorrow Now" will guide our ambition in the coming years. We look forward to seeing the company grow as we create value and contribute to a fairer, more inclusive and sustainable planet.

For more information on our sustainability strategy please see our latest information [here](#).

"Sustainability is at the top of the boardroom agenda. We proudly deliver on our ESG commitments and our mission to lead the energy transition"

Environment

I am very pleased to share that the Science Based Target initiative (SBTi) has recognised EDP's 98% target reduction of scope 1 and 2 GHG emissions per TWh by 2030 compared to 2015 levels, and 50% absolute reduction of scope 3 GHG emissions over the same timeframe. This means our targets are in line with climate science requirements towards limiting global warming to 1.5°C, highlighting the strength of our commitment to become carbon neutral by 2030.

Social

In June, as we celebrated Diversity month at EDP Group, we committed to joining The Valuable 500, a global movement to promote and underline the importance of disability inclusion within leading companies around the world to generate systemic change and unlock the business, social and economic value of people living with disabilities. This is an important step for EDP Group because we see diversity as a source of innovation, bringing us one step closer to our communities and our stakeholders.

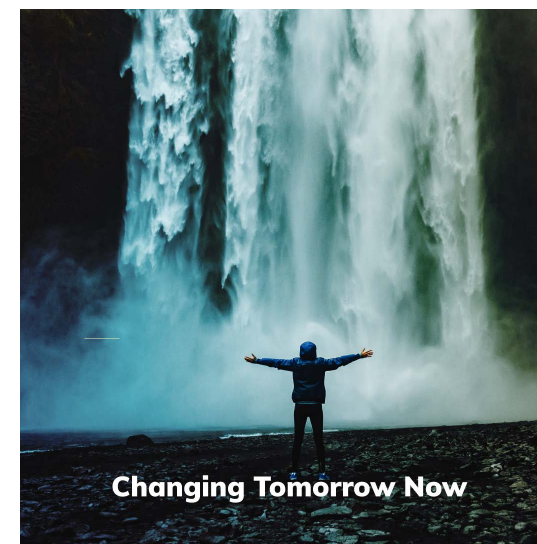
Governance

At EDP group, we continue to streamline our corporate governance structure. We reduced from 5 to 4 the number of specialized committees at the General Supervisory Board level. We have improved our approach to ethics in line with best practice and international standards and our Ethics Commission is now overseen by the Chairman of the General and Supervisory Board, a role previously held at the Executive Board of Directors level.



Miguel Setas

Miguel Setas - Executive Board Member



Changing Tomorrow Now

ESG Performance at a Glance

	Indicator	Unit	1H21	1H20	Δ %	Target 2025	Target 2030	
 ENVIRONMENT	Revenues aligned with EU taxonomy ¹	%	69%	58%	19%	70%	>80%	
	Scope 1 & 2 Emissions Intensity	gCO ₂ /kWh	131	111	18%	~100	0	○
	Renewables Generation	%	81%	80%	0%	85%	100%	○
	Coal Installed Capacity	%	8%	12%	-30%	0	0	○
	Total Waste	kt	123	94	30%	118	30	
 SOCIAL	Employee Engagement (top tier company) ²		✓	✓		✓	✓	
	Female Overall	%	26,0%	25,8%	1%	30%	35%	
	Accident Frequency Rate ³	Fr	1,78	1,26	41%	1,55	<1	
 GOVERNANCE	Female on Leadership	%	25,4%	25,2%	1%	30%	35%	
	ESG & equity linked compensation for Top Management ⁴		✓	✓		✓✓	✓✓	
	Cybersecurity	bitsight rating	800	700	14%	Keep advanced ⁵		
	Top quartile in ESG rating Performance ⁶		✓	✓		✓	✓	

Revenues aligned with the EU Taxonomy increased to 69% as we continue to accelerate growth and invest in the Energy Transition, with total Gross Investments increasing by 29% YoY, amounting to 1.6 billion euros in the 1H21, 94% of which in Renewables and Networks.

Renewables represented 81% of electricity generated by EDP in the 1H21, as we continue to ramp-up renewables deployment, with 2.1 GW gross capacity added YoY, of which 0.7 GW added YTD.

Specific CO₂ emissions increase in the 1H21, is related to the increase of production in Pecém in Brazil, due to adverse hydrology in the Northeast of Brazil in this period, given that Brazil is experiencing the worst in hydrology crisis for the past 91 years.

Similarly to last quarter, **total waste increased by 30% YoY**, mainly explained by the reduced activity of Pecém's power plant in 2020, which was completely idle between April and August, operating only partially in March and September of 2020.

Accident Frequency rate increased to 1.78 in the 1H21, in a very unfortunate quarter, in particular within our service providers. EDP continues determined to strengthen the culture of Occupational Health and Safety, by developing awareness, deepening willingness and making available the resources to improve health and safety.

In the 1H21, **females representation stood at 26%** of EDP's workforce representing +1% increase versus the comparable period.

○ SFDR indicator

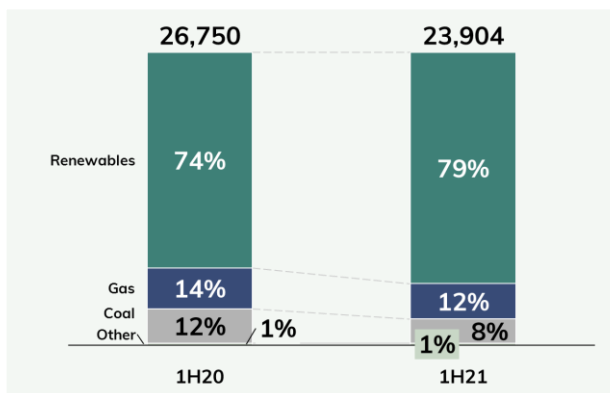
1. Value for 1H20 is an annual measure; 2. Above the high performing norm, including results of surveys done to more than 875,000 employees in 50 high performing organizations and is based on company financial performance and engagement and enablement scores. 3. Number of accidents at work with absence/fatalities, per million hours worked (including employees and contractors); 4. Applicable to Board of Directors and top management; 5. >= 740; 6. Includes DJSI, FTSE4Good, MSCI and Sustainalytics.



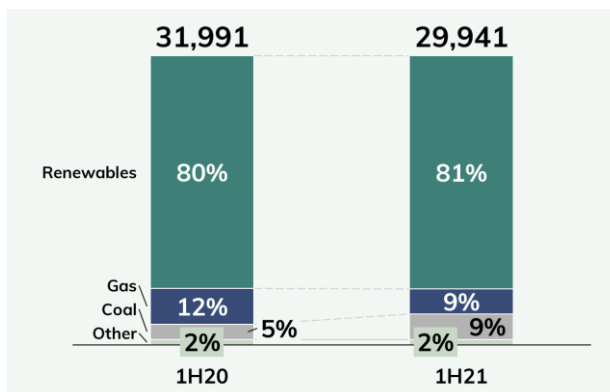
Operational Highlights

Committed to a renewables path

Installed Capacity (MW) ^{1,2} ○



Electricity Generation (GWh) ○



Hydro Coefficient

Unit	1H21	1H20	Δ %
%			
Portugal	111%	96%	16%
Spain	100%	100%	0%
Brazil ³	70%	86%	-19%

Renewables Index ⁴

Unit	1H21	1H20	Δ %
%	-5%	-6%	-20%

Electricity distributed

Unit	1H21	1H20	Δ %
GWh			
Portugal	22.180	21.477	3%
Spain	7.083	3.752	89%
Brazil	13.055	11.828	10%

Clients connected

Unit	1H21	1H20	Δ %
# th			
Portugal	6.336	6.300	1%
Spain	1.373	669	105%
Brazil	3.628	3.538	3%

Total Energy consumption

Unit	1H21	1H20
GWh	13.871	13.871

Total Renewable consumption

Fuel	2
Electricity	911
Self-generated non-fuel renewable energy	876

Total Non-Renewable consumption

Fuel	12.958
Electricity	12.394

Energy consumption intensity

Unit	1H21	1H20
MJ/€	8	8



New Services Highlights

Committed to drive new client solutions and smarter networks

Energy Efficiency

Energy Services Revenues / Turnover ²

Energy Efficiency Services Revenues

Unit	1H21	1H20	Δ %
%	8,1%	8,2%	-1%
€ m	116	118	-2%

Distributed generation

Distributed solar (As a service & Transactional)

Portugal

Spain

Brazil

US & Other

MW	280	113	147%
MW	121	77	57%
MW	15	8	88%
MW	51	28	81%
MW	93	n.a.	

E-mobility

Light fleet electrification

Electric charging points ³

Clients with electric mobility solutions

%	12%	9%	38%
#	2.556	1.073	138%
# th	33.200	14.400	131%

Smart Meters

Portugal

Spain

# m	3,6	2,9	24%
# m	1,4	0,7	104%

Client satisfaction ¹

%	n.a.	79%
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Electricity Grid Losses

Portugal

Spain

Brazil

São Paulo

Espírito Santo

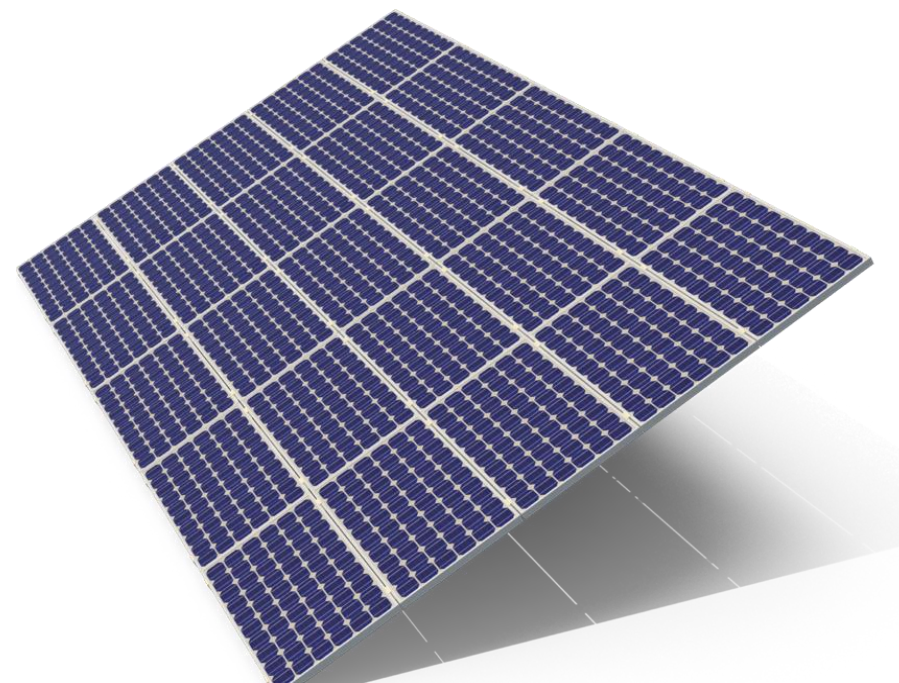
%	8,6%	9,0%	-5%
%	5,0%	3,8%	30%
%	8,3%	8,3%	0%
%	12,9%	12,8%	0%

Customers with Sustainable Services ⁴

%	13,2%	n.a.
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CO₂ savings downstream ^{1,5}

ktCO ₂	n.a.	1.413
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Environmental Highlights

Committed to a carbon-free economy

Greenhouse gas emissions

Scope 1 & 2 Emissions Intensity

Scope 1 GHG Emissions

Scope 2 GHG Emissions ¹

Scope 3 GHG Emissions ²

Avoided emissions

Unit	1H21	1H20	Δ %	
gCO ₂ /kWh	131	111	18%	○
ktCO ₂ eq	3.571	3.045	17%	○
ktCO ₂ eq	314	464	-32%	○
ktCO ₂ eq	n.a.	11.572		○
ktCO ₂	12.899	14.430	-11%	

Air quality

NOx emissions

SO₂ emissions

Particulate matter emissions

kt	2,91	2,14	36%	○
kt	3,93	2,23	76%	○
kt	0,56	0,54	4%	○

Water management

Total freshwater withdrawn

Total freshwater consumed

10 ³ m ³	5.389	5.608	-4%	
10 ³ m ³	4.801	5.275	-9%	

Coal & Waste management

Total waste disposal

Total coal combustion waste disposal

Average waste recovery rate

Hazardous waste

t	105.913	79.944	32%	
t	12.066	2.492	384%	
%	89%	97%	-9%	
t	2.520	1.726	46%	○

Environmental Matters

Investments

Expenses

Environmental Fines and Penalties

Vegetation management ³

€ m	39,9	22,0	81%	
€ m	100,5	87,5	15%	
€ th	19,5	1,5	1199%	
€ m	10,9	7,0	54%	

ISO 14001 Certification

%	94%	96%	-3%	
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Low carbon economy

EBITDA in Renewables

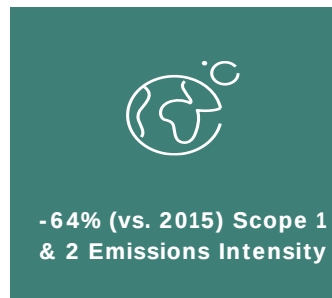
CAPEX in Renewables

Revenues from coal

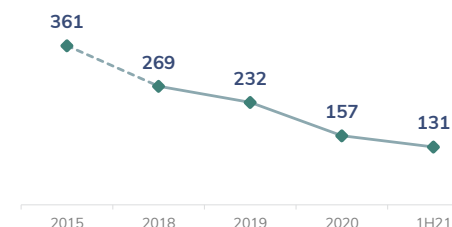
Revenues aligned with EU taxonomy ²

CO₂/ Revenues ⁴

%	60%	62%	-4%	
%	70%	65%	7%	
%	5%	5%	-10%	○
%	69%	58%	19%	
tCO ₂ eq/€ m	0,64	0,57	13%	○



Scope 1 & 2 Emissions Intensity



For more information please check our Biodiversity Report [here](#)



○ SFDR indicator

1. Scope 2 emissions according with GHG Protocol based location methodology. 2. Annual Indicators; 3. Vegetation management includes CAPEX and OPEX. 4. Defined as the company's annual GHG emissions (Scope 1 and Scope 2), expressed as metric tons of carbon dioxide equivalent (tCO₂eq) emissions, divided by revenues for the corresponding year, expressed in millions of euros.



Social Highlights

Committed to provide a fair and safe workplace

Employment

Unit	1H21	1H20	Δ %
Employees	# 12.147	11.641	4%
Female employees	% 26%	26%	0,9%
Female/Male fixed salary	x 1,04	1,05	-1%
Employee Engagement ^{1,2}	% n.a.	80%	
Employee Enablement ^{1,2}	% n.a.	74%	
Employee Turnover	% 7,0%	5,5%	27%
Absenteeism*	% 2,6%	2,7%	-1%

Training

Total hours of training	h 168.752	101.355	66%
Employees with training	% 94%	79%	20%
Direct training investment	€ th 1.468	1.026	43%

Health and Safety

Accidents with lost workdays EDP	# 11	8	38%
Accidents with lost workdays contractors ⁴	# 71	34	109%
Fatal work-related injuries EDP	# 0	0	
Fatal work-related injuries contractors	# 5	1	400%
Frequency rate EDP	Fr 0,94	0,71	32%
Frequency rate contractors	Fr 2,07	1,54	34%
Total recordable injury rate	RFr 2,59	1,93	34%
Total recordable injury rate EDP	RFr 1,11	1,25	-11%
Total recordable injury rate contractors	RFr 3,09	2,24	38%

Social Investment

Beneficiary Entities	# 230	n.a.	
EDP volunteers	# 1.674	n.a.	
EDP time used in volunteering	h 4.856	6.748	-28%
Total Investment	€ th 6.463	7.319	-12%



30% female employees
by 2025



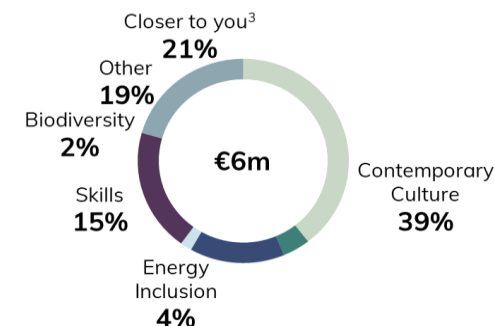
Top Tier Company in
Employee Engagement



Accident Frequency Rate
<1



Social Investment
€100m by 2030



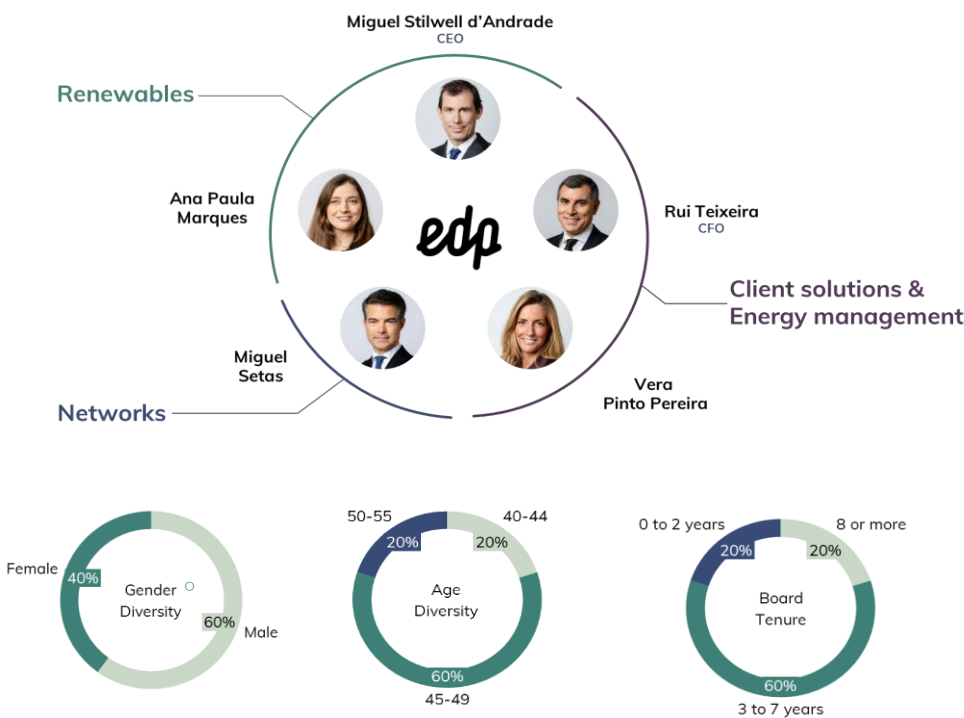
Governance Highlights

Committed to the best practices

Executive Board of Directors

Approved on the Extraordinary General Shareholders' Meeting on the 19th January 2021

- Reduced number of members from 9 to 5



Key Links

Election of the members of the EBD, 2021-2023:



○ SFDR indicator

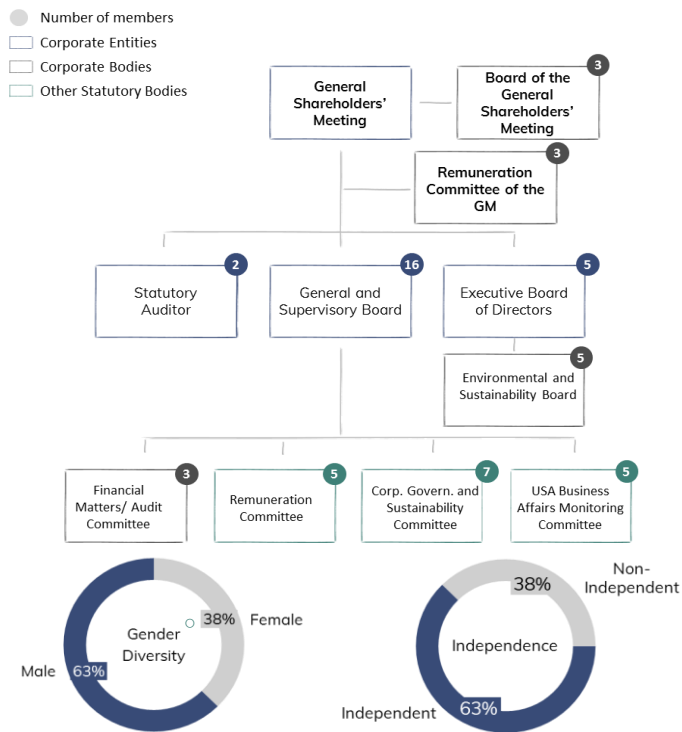


ESG Report 1H21

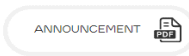
General and Supervisory Board

Approved on the General Shareholders' Meeting on the 14th April 2021

- Reduced number of members from 21 to 16



Election of the members of the GSB, 2021-2023:



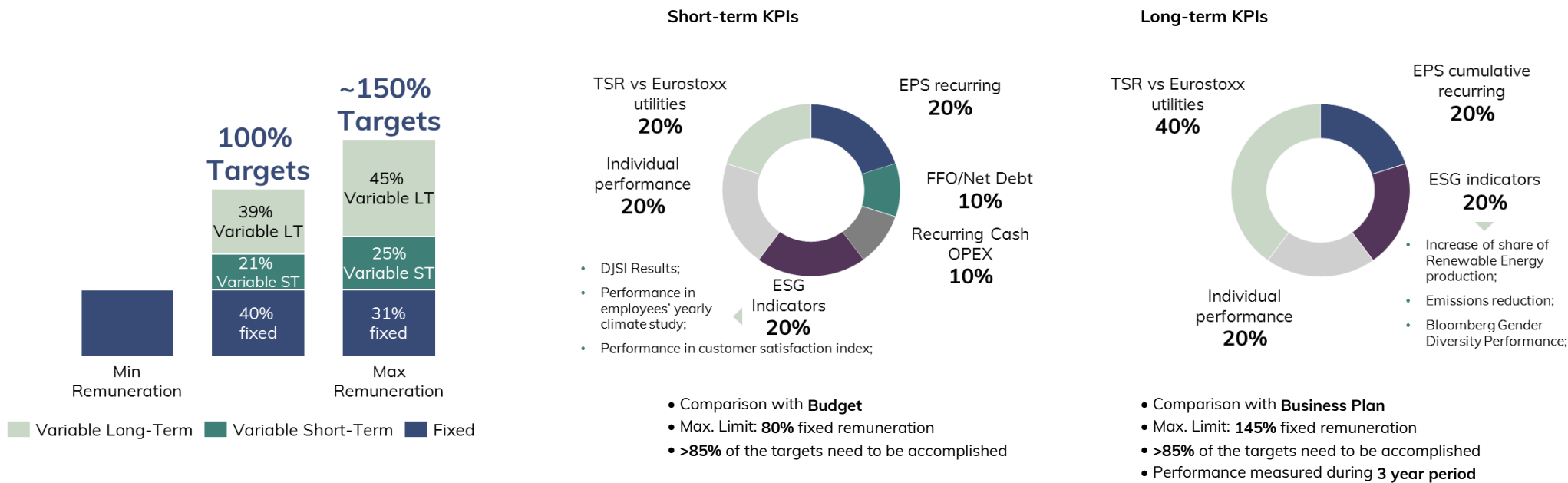
Annual report of the GSB, 2020:



Governance Highlights

Overview of the Remuneration Policy

New Remuneration Policy aligned with Best Practices
 Approved on the General Shareholders Meeting on the 14th April 2021



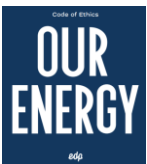
For further information:

Sustainability Report:

Code of Ethics:

Corporate Governance:

EBD Remuneration Policy:
2021-2023



Digitalization & Innovation Highlights

Committed to drive transformation

Digitalization

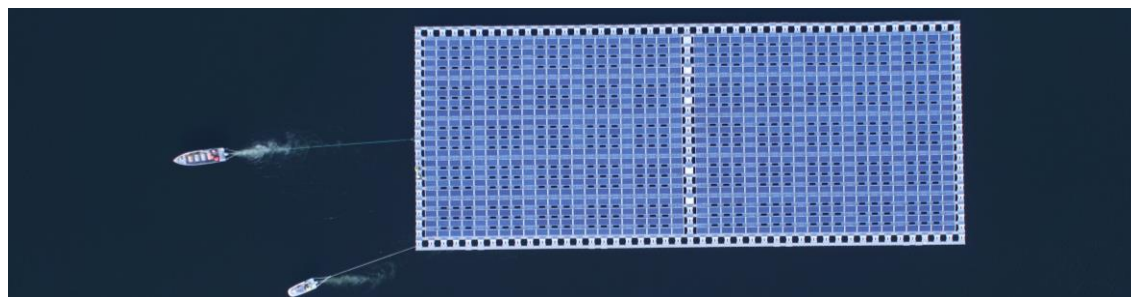
Global	Global	Cybersecurity
Digital Business	Customer	Selfcare Interactions ¹
		Electronic Invoices ¹
	Assets & Operations Enterprise	Predictive Maintenance ^{1,2}
		Digitalized Processes ¹
Digital Enablers	Data & Technology	Systems in the cloud
	People & Organization	People w/ digital training ¹
		Collaborative Tools

Unit	1H21	1H20	Δ %
bitsight rating	800	700	14%
%	71%	60%	18%
%	37%	46%	-20%
%	65%	71%	-8%
%	n.a.	82%	
%	56%	42%	33%
%	78%	n.a.	
%	81%	81%	0%

Innovation

Innovation Team	Total investment (TOTEX) ³
	Employees ³
Investment Portfolio	Ongoing investments VC
	VC investment
	VC investment cumulative ⁴

€ m	37	25	49%
#FTE	302	227	33%
#	36	28	29%
€ m	3,2	1,6	101%
€ m	36,8	33,5	10%



EDP launched the challenge: to create a more sustainable floater for the more than 11 thousand panels and 25 thousand floaters that make up the structure of the future floating solar park in the Alqueva reservoir. After intensive work in collaboration with Corticeira Amorim and the Spanish manufacturer Isigenere, over more than 12 months, it was possible to develop an innovative material, based on a new cork composite, which will be tested for the first time in a renewable energy production project. This new solution combines cork, a 100% natural, recyclable and biocompatible raw material, with recycled polymers. In addition to incorporating cork, the new photovoltaic floater will also replace part of the virgin plastic used in conventional floaters with recycled plastic. EDP believes that, with this more sustainable combination, the floating solar project can achieve a reduction of at least 30% of the CO₂ footprint.



ESG Ratings

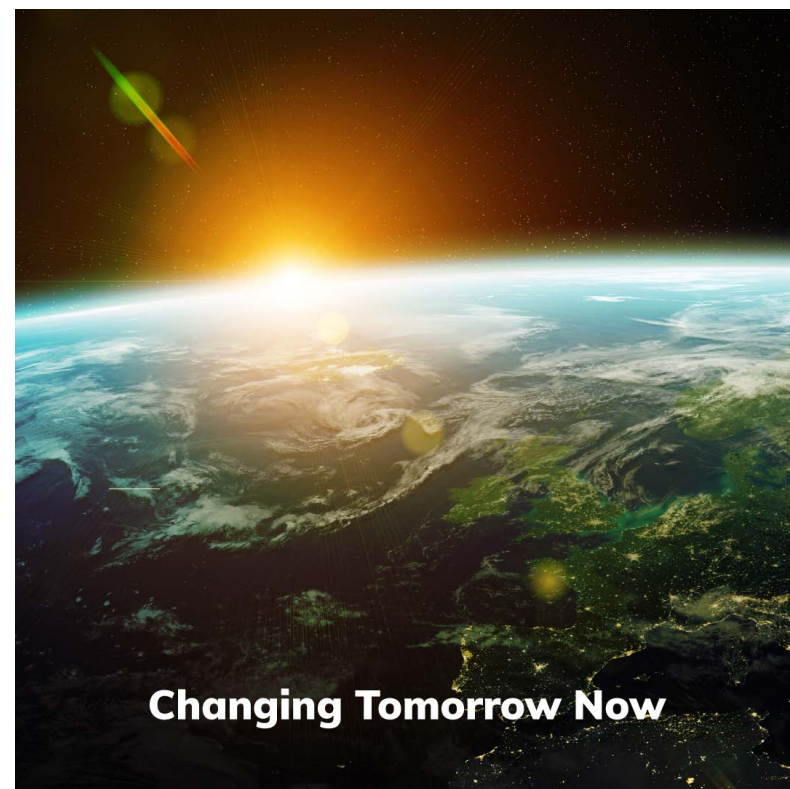
Committed to excellence

Rater	Range	Score	Ranking	Last Assessment	
Member of Dow Jones Sustainability Indices Powered by the S&P Global CSA	[0-100]	88	2 nd	Nov-20	✓
 FTSE4Good	[0-5]	4,7	Top 3%	Dec-20	✓
 EURONEXT VE INDICES	[0-100]	71	3 rd	Sep-20	✓
 Corporate ESG Performance ISS ESG Prime	[D ⁻ -A ⁺]	B	n.a.	Dec-20	✓
 SUSTAINALYTICS a Morningstar company	[100-0]	22,5	n.a.	Apr-21	✓
 MSCI ESG RATINGS AAA	[CCC-AAA]	AAA	Top 7%	Apr-21	✓
 CDP A LIST 2020 CLIMATE	[D ⁻ -A]	A	n.a.	Dec-20	
 CDP A LIST 2020 WATER	[D ⁻ -A]	A	n.a.	Dec-20	

✓ Top quartile in ESG rating performance

For more information on EDP's sustainability performance please visit our [website](#)

For more information on indicators please visit our [glossary online](#)



EDP Sustainability Report 2020

For further information please visit our sustainability report available in our website

