

**IMPLEMENTING ENERGY
TRANSITION SOLUTIONS
ACROSS THE ENTIRE
VALUE CHAIN**

QUADRANTE ENERGY



QUADRANTE

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“COMMITTED TO THE ENERGY TRANSITION TO A MORE SUSTAINABLE WORLD.”

Nuno Martins

Senior Partner - Head of Energy and Industry

Quadrante, the largest Portuguese engineering consulting company in the **energy sector**, believes that new challenges are highlighting the role of engineering.

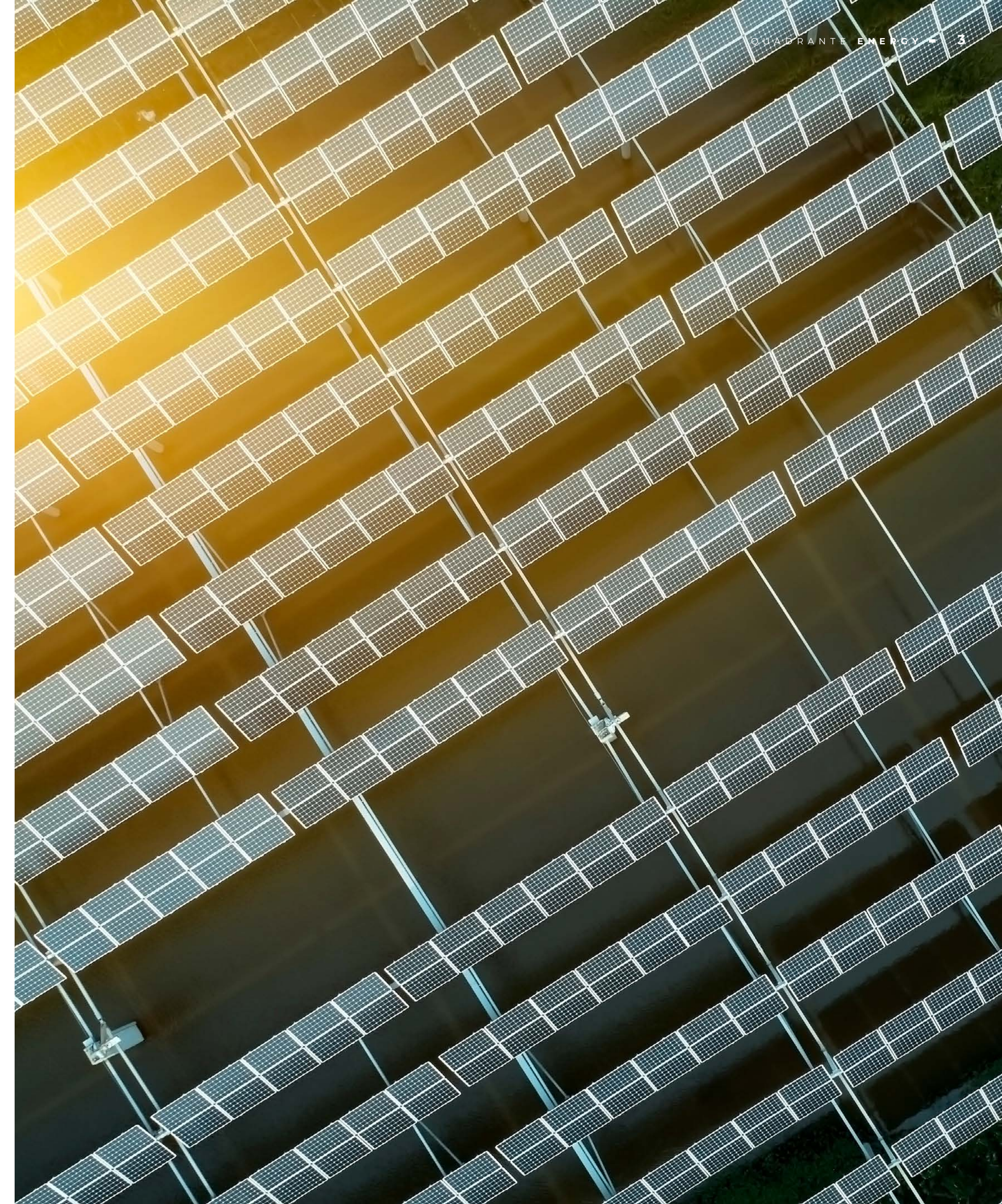
This is mostly related to the need to control the global rise in temperature, which means the decarbonization of our lives.

Moreover, the Covid-19 pandemic and the war in Ukraine have accelerated this transition, particularly in the supply chains of equipment and mechanisms for energy independence.

Energy has played an important role in improving people's quality of life, both in first-world countries and in second and third-world ones.

Additionally, with the decarbonization of the electrification-based sectors, renewable energy solutions acquire an essential role in the energy transition path.

Global electricity demand is growing faster than ever, as the demand for clean energy sources will continue to rise until it becomes a commodity. We'll always have as a priority environmental responsible solutions.



Why us

As a Global Engineering Consultancy Group, we have partnered with our clients to design the most technically complex and advanced infrastructures.

Our services include **co-development and engineering and environmental** solutions across the entire energy value chain: **clean energy generation, storage, transmission and distribution.**

Quadrante has a highly qualified and **multidisciplinary workforce**, which enables us to collaborate in constant articulation in real-time while presenting the most suitable options to clients.

Our proposals are always tailored to environmental and societal restrictions while maintaining an emphasis on technical and financial viability.

Our Mission is:

DESIGNING . DELIVERING . ADDING VALUE

+600

ENERGY PROJECTS

We are focused in researching, innovating and creating better solutions for our clients.

+600
KM | LINES

+200
SUBSTATIONS

+11030
MW | TOTAL POWER

+5900
MW | SOLAR PV PLANTS

+1450
MW | WIND FARMS

+3680
MW | HYDROPOWER

+700
MWh STORAGE

At Quadrante, we have developed a customer-centric approach, with a track record in the Energy and Environment sector and high-level technical expertise. Additionally, we are pioneers in the application of decarbonization strategies.

As a result of our significant knowledge and expertise in **Renewable Energy Projects**, our focus remains on achieving environmentally balanced licensing and construction while assuring both technical and financial success.

Our organization has been methodically constructed to include all required disciplines and is outfitted with advanced working technologies. We operate as a **global multidisciplinary organization** with over **400 talented experts and extensive national and international expertise** across the entire energy value chain.



WHAT WE OFFER?

- CO-DEVELOPMENT SERVICES
- PERMITTING DESIGN AND SERVICES
- ENVIRONMENT AND SUSTAINABILITY STUDIES
- SOCIAL AND ENVIRONMENTAL IMPACT STUDIES *
- OWNERS AND ENGINEERING SERVICES
- ENGINEERING RELATED TO ENERGY INFRASTRUCTURES
- ADVISORY AND CONSULTANCY
- ENERGY EFFICIENCY AND DECARBONIZATION STUDIES
- PROCUREMENT
- CONSTRUCTION SUPERVISION

*(community engagement)

WHAT WE DO?

- SOLAR PV PLANTS
- WIND FARMS
- HYDROPOWER
- STORAGE
- HYBRIDIZATION
- BIOMASS
- HYDROGEN
- SUBSTATIONS
- OVERHEAD LINES
- FLOATING PV
- ELECTRICAL MOBILITY
- SELF CONSUMPTION AND RENEWABLE ENERGY COMMUNITY

Sustainability

We are committed to partnering with our clients to create and build sustainable, responsible and long-lasting infrastructure for a better world.

This is our purpose as a company. While using the best available knowledge and promoting technical excellence, we are committed to designing and creating an environmentally responsible, socially fair, integrative, and economically sustained world. Thus, this is our primary goal. Aware that there is still a lot to do concerning sustainable development, we share our goals and progress in the achievement of the targets.



		GOAL	2021 2023	TARGET 2025
PROJECTS	FOCUSING ON THE SDGS Alignment of our projects and portfolio with the strategy of the UN Sustainable Development Goals	Annual increase in revenues linked to SDGs	=73% 2021 =75% 2022	80% INDUSTRY TRANSPORTS WATER UTILITIES SCOPE 1 & 2 NEUTRAL + SCOPE 3 REDUCTION STRENGTHEN REPORTING PRACTICES FOR THIRD-PARTY MONITORING
	DESIGNING MORE SUSTAINABLY Development and application of a new Ecotool for project support to include sustainability principles in the design process and improve project performance	Annual increase in Project performance	Buildings Airports	
OPERATIONS	KNOWING AND ACTING ON CARBON FOOTPRINT Mitigation and compensation of Greenhouse Gas Emissions (GHG), resulting from our operations	Carbon neutrality and good practices in Scope 3	Scope 1 & 2 Neutral in 2022	
	TRANSPARENCY AND PERFORMANCE REPORTING Annual analysis and monitoring of our sustainability performance in our Operations and in our Projects	Publication of our Sustainability Annual Report	2021 SR 2022 SR	

Business Units



**TRANSPORT
INFRASTRUCTURE**

ROADS
RAILWAYS
METRO



**BUILDINGS
AND URBAN
DEVELOPMENT**

REAL STATE
LOGISTIC PLATFORMS
CITIES



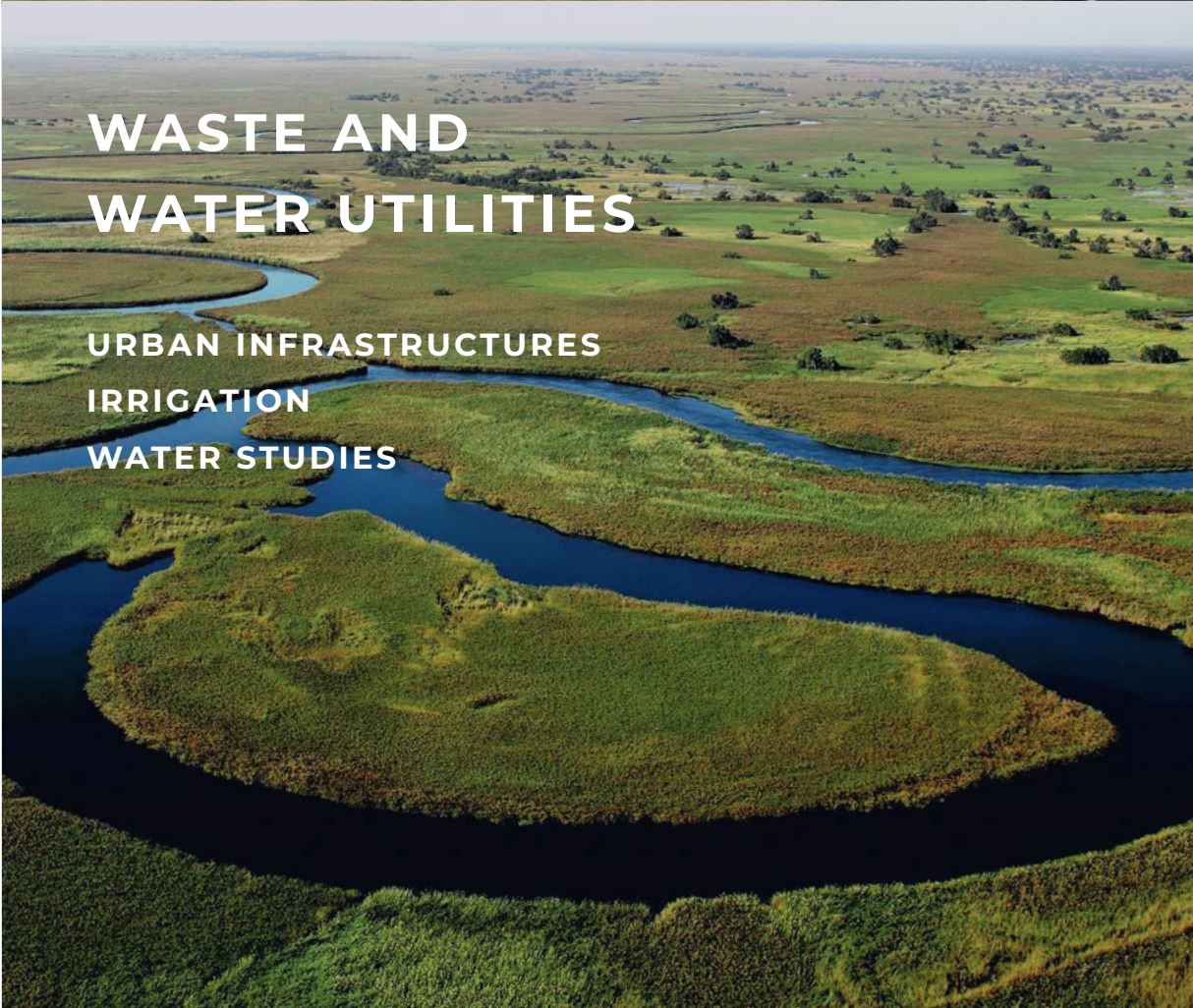
**ENERGY
AND INDUSTRY**

ENERGY
FACTORIES
INDUSTRY



**MINING
PORTS
AIRPORTS
PUBLIC BUILDINGS
ENERGY
WASTE**

SPECIAL PROJECTS



**WASTE AND
WATER UTILITIES**

URBAN INFRASTRUCTURES
IRRIGATION
WATER STUDIES



**ENVIRONMENT
AND SUSTAINABILITY**

CARBON FOOTPRINT
DECARBONIZATION STRATEGIES
CLIMATE CHANGE RISKS
ENVIRONMENT STUDIES
ENVIRONMENT MANAGEMENT
CIRCULAR ECONOMY



**CONSTRUCTION
MANAGEMENT
AND SUPERVISION**

SUPERVISION
PROJECT MANAGEMENT
DIGITAL SERVICES



OUR EXPERTISE OFFERS A WIDE
SPECTRUM OF SERVICES WITHIN
THE FIELDS OF ARCHITECTURE
AND ENGINEERING

Disciplines

- ARCHITECTURE
- STRUCTURES
- SPECIAL STRUCTURES
- INDUSTRIAL STRUCTURES
- INDUSTRIAL MECHANICAL
- GEOTECHNICS
- BUILDING HYDRAULICS
- URBAN HYDRAULICS
- HIGH VOLTAGE ENERGY - TRANSMISSION
- HIGH VOLTAGE ENERGY - RENEWABLES
- ELECTRICAL AND TELECOMMUNICATIONS
- SECURITY INSTALLATIONS
- HVAC
- ROADS AND RAILWAYS
- URBAN ROADS
- ENVIRONMENT
- SUSTAINABILITY
- CONSTRUCTION MANAGEMENT & SUPERVISION



06

A World of Projects

Quadrante is proud to have an extremely diversified portfolio, with multidisciplinary projects, in a Total Design perspective, with a global scale and always focusing on their sustainability.



C A S E S T U D I E S

Alto Tâmega, Gouvães and Daivões Hydropower Complex's

Country Portugal // **Client** Iberdrola

A 1.500M€ INVESTEMENT IN THREE HYDROELECTRIC POWER PLANTS

Tâmega Hydropower Complex's Environmental Studies

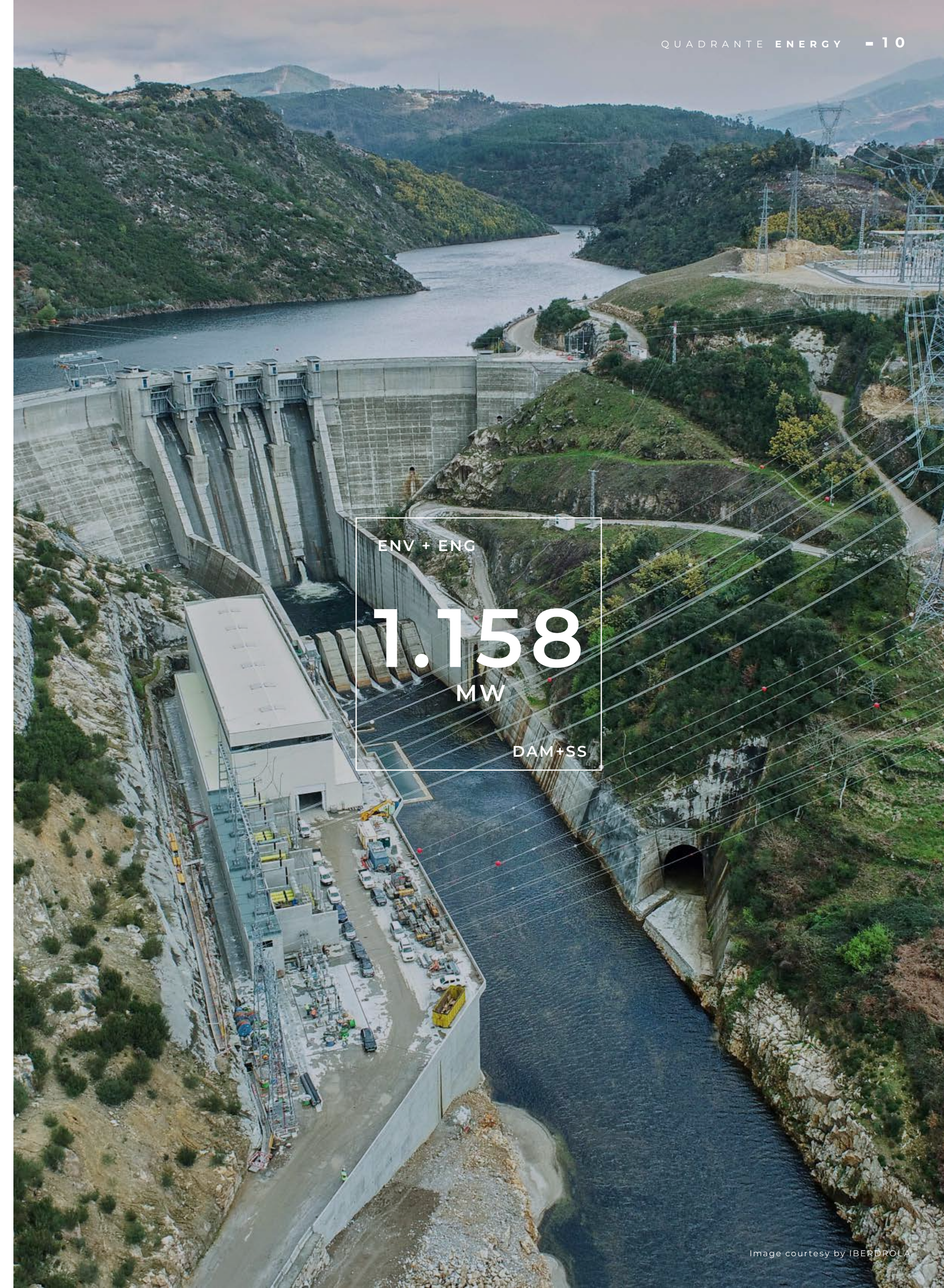
One of the most ambitious engineering projects in the Portuguese history, the Hydroelectric Power Plants of Tâmega, have increased the total power installed in Portugal by 6%.

QUADRANTE developed the Environmental and Social Impact Assessment to IBERDROLA, which comprises the following activities: baseline assessment of the study area, identification and assessment of the environmental impacts, proposal of mitigation and compensatory measures, and monitoring programs.

QUADRANTE has been responsible for the Environmental Consultancy during the construction phase, including environmental licensing, landscape integration projects, meetings in public entities, environment monitoring, technical notes to APA, among others, always presenting to IBERDROLA fast and simple solutions to all the obstacles that would come along the way.

Besides that, QUADRANTE has been responsible for conduct socio-economic surveys to the population. These surveys have as main objective understand what the major impacts of the implementation of the project in the daily lives of the population and how IBERDROLA can mitigate these impacts.

QUADRANTE was also responsible for the Design of some Substations and Switching Stations between 30 and 400kV voltage levels. Those designs consider AIS and GIS facilities for IBERDROLA and the Portuguese DSO, E-REDES.



C A S E S T U D I E S

Cerca PV Plant

Country Portugal // **Location** Alenquer-Azambuja // **Client** EDP Renewables

The project consists of the advanced basic designs for the tender of the Cerca 202 MWp photovoltaic solar power plant. The projects developed were intended to allow the licensing of the projects by the environmental entities and the guardian entity of the Portuguese electrical system, also allowing the promoter to launch an international tender for BoS for the construction and set up of those photovoltaic solar power plants. In this project QUADRANTE developed the advanced basic designs, including the layout arrangements of the power plants, the single lines, the complete electrical projects, the CCTV security projects, the projects for the foundations of the PV Stations, access ways, drainage, fences, among other necessary infrastructures.

As part of the 2019 Solar Auction, one of the main challenges of this project is to ensure that the objectives established by Portugal in the Integrated National Energy and Climate Plan (PNEC 2030) to achieve carbon neutrality by 2050 are met. In this project, we faced other challenges, the small area available for the implementation of photovoltaic structures and modules due to numerous water lines and the irregularity of the slopes of the land plot chosen for its deployment.

Our multidisciplinary team, consisting of Electrical and Civil Engineers with experience in the design of solar photovoltaic plants, access construction works, earthworks and drainage, together with the client's team, found the best technical solutions for the development of this project.

As a result, the project was favourably approved by the Portuguese Environmental Agency (APA) and the Directorate General of Energy and Geology (DGEG), contributing to increasing energy production from renewable sources and simultaneously ensuring the lowest possible environmental impact.



C A S E S T U D I E S

Falagueira Pv Plant

Country Portugal // **Location** Falagueira // **Client** Siemens Energy

QUADRANTE developed the Environmental and Social Impact Assessment to POWER&SOL, which comprises the following activities: baseline assessment of the study area, identification and assessment of the environmental impacts, proposal of mitigation and compensatory measures, and monitoring programs.

QUADRANTE worked close to the project team. In a previous analysis of the project, identified the potential concerns and obstacles to the environmental permit, namely regarding the public water domain, habitats, fauna (birds) and protected species.

Besides that, QUADRANTE lead the entities contact, with a strict articulation with public entities in order to align expectations and to reach better conditions to the project.



ENG

100
MWp

PV

C A S E S T U D I E S

Zonda Wind Farm and a Electrical Substation

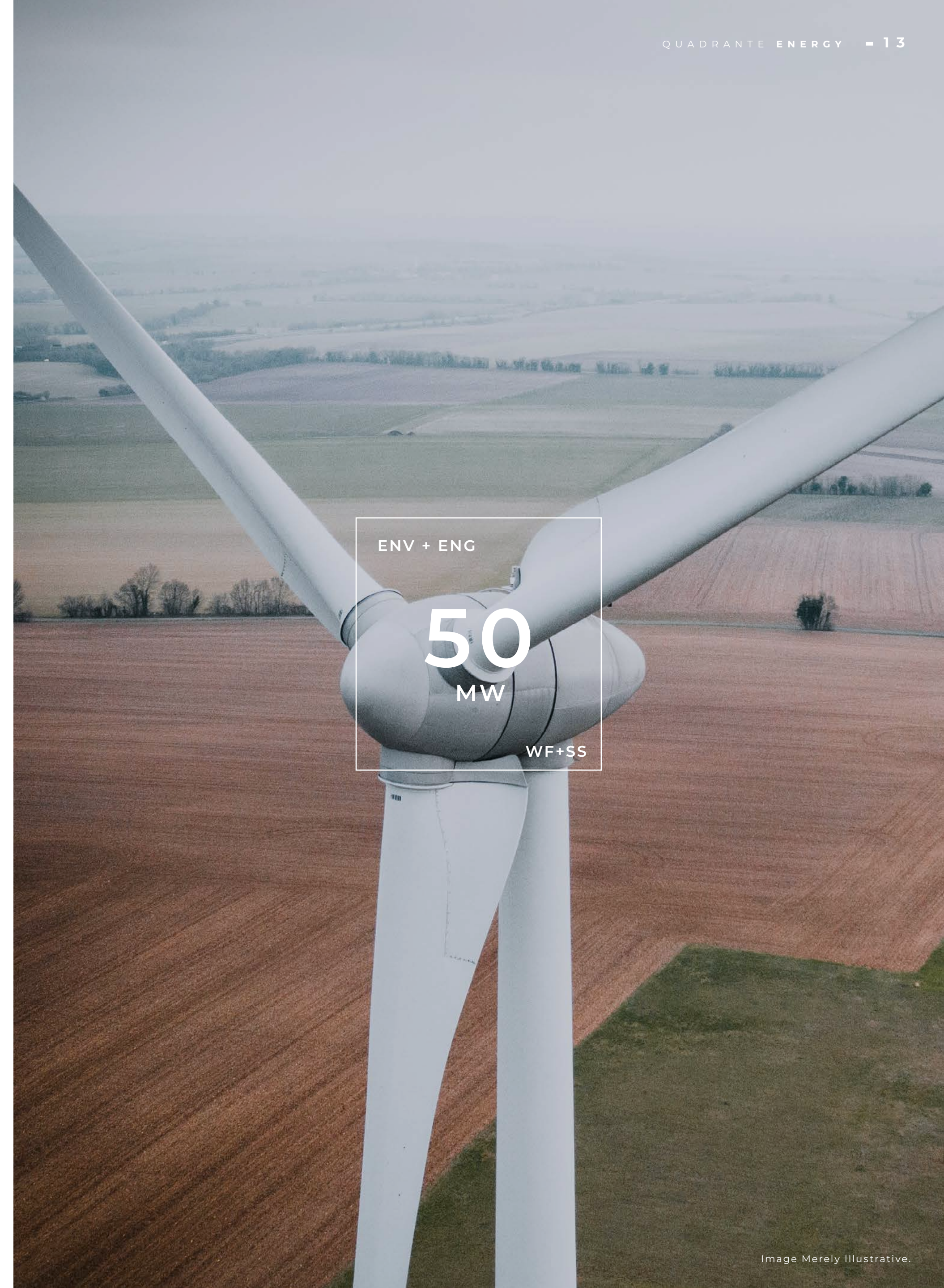
Country Portugal // **Location** Penafiel // **Client** INFINITA (Capital Energy)

QUADRANTE was the responsible for the Design and the Environmental and Social Impact Assessment of this Wind Farm to INFINITA (CAPITAL ENERGY) in the north of Portugal, including the substation to evacuate the Power to the Grid.

From the Design point of view, the major challenges founded on this project where the size of the wind turbines, the geological and orography characteristics of that location and the difficult negotiation process with the landowners that delay the stabilization of the wind turbine's location. However, through a multidisciplinary and capable team where are include experienced electrical, civil and environmental engineers, associated with the best technologies in place and the usage of BIM procedures, QUADRANTE completed is process on time and budget, helping INFINITA to achieve all the permits to build this so important project in Portugal.

The multidisciplinary team of QUADRANTE (PROJECT AND ENVIRONMENT) worked in parallel throughout the entire process of developing the project of ZONDA Wind Farm, with the main objective to anticipate/mitigate environmental issues (direct contact with stakeholders (APA/ARH/ICNF/DGPC, etc.) and survey of major environmental constraints, such as: analysis of compatibility of the project with PDM, Public Water Domain, Heritage, Landscape, Sensitive Receptors, Biodiversity, among others), and contribute from the beginning for the development of a Project Layout without environmental constraints and that respects existing public easements and restrictions in the area where it is developed.

Besides that, QUADRANTE lead the entities contact, with a strict articulation with public entities in order to align expectations and to reach better conditions to the project.



C A S E S T U D I E S

Mina do Barroso Lithium Project

Country Portugal // **Location** Vila Real // **Client** Savannah Resources

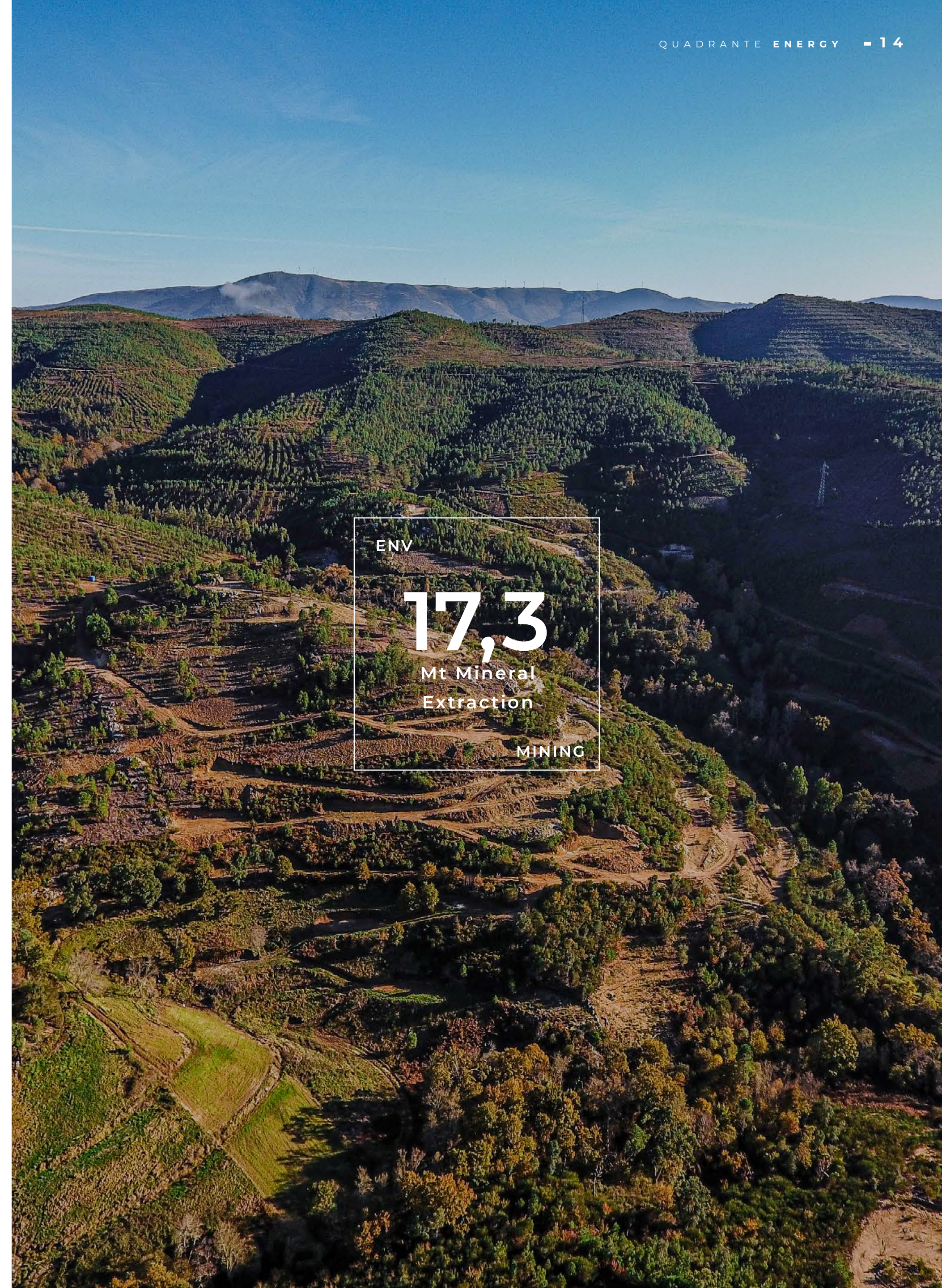
The lithium will be sustainably produced with a commitment to neutralize its carbon footprint.

In November 2021, Savannah endorsed the commitment made to a goal of net zero scope 1 and scope 2 GHG emissions by the members of the International Council on Mining and Metals (ICMM) by 2050 or sooner. Savannah has committed to moving towards the same goals but doing it in the 2020s and 2030s during the operating phase of its project, and also targeting the reduction of its scope 3 emissions.

QUADRANTE was responsible for the study, which had the following goals: to update the pre-decarbonisation estimate of the Project's greenhouse gas inventory; identify and investigate opportunities to reduce greenhouse gas emissions at the Project; and to create a preliminary decarbonisation strategy to reach net zero Scope 1 and Scope 2 emissions over the life of the Project. During the scope of works, and on the research of the best technological and efficient solutions, QUADRANTE maintained contact with the O&M companies of the majority of the main equipment's.

Future work will include:

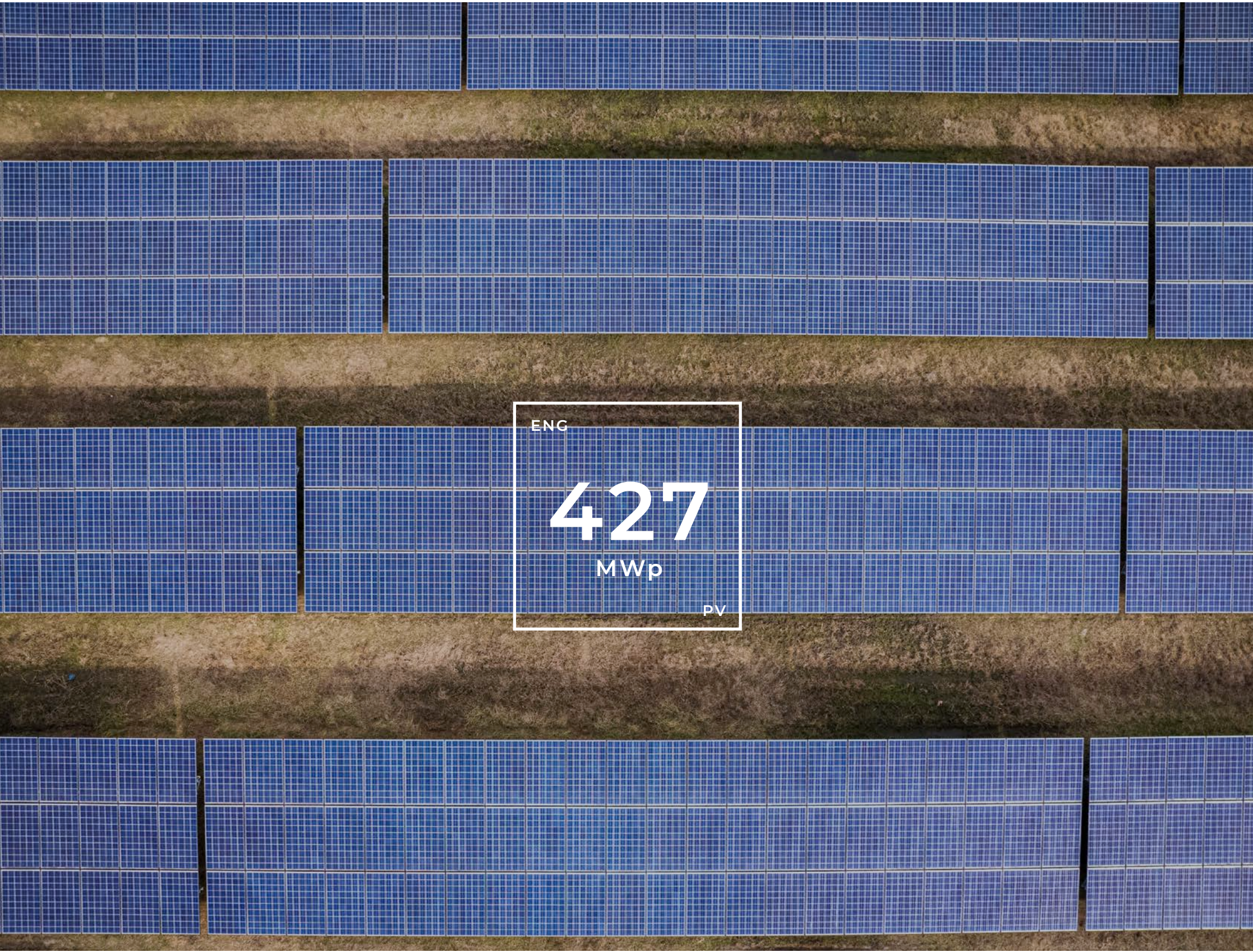
- More detailed analysis of these and other initiatives as part of the DFS;
- Studies with a number of mining equipment OEMs to determine a site specific solution for a transition to battery operated mining fleet and associated charging infrastructure.





CONTINUA PV PLANT

POWER			
2022 - ongoing	BASADRE	Portugal	450 MWp
Basic Design for Permits, Environmental Impact Assessment, Topography, Geotechnical, Hydrological Studies			



PRESIDENTE JK PV PLANT

POWER			
2022	EDP Renewables	Brazil	427 MWp
Basic and Detail Design for Tender and Owners Engineer Services			



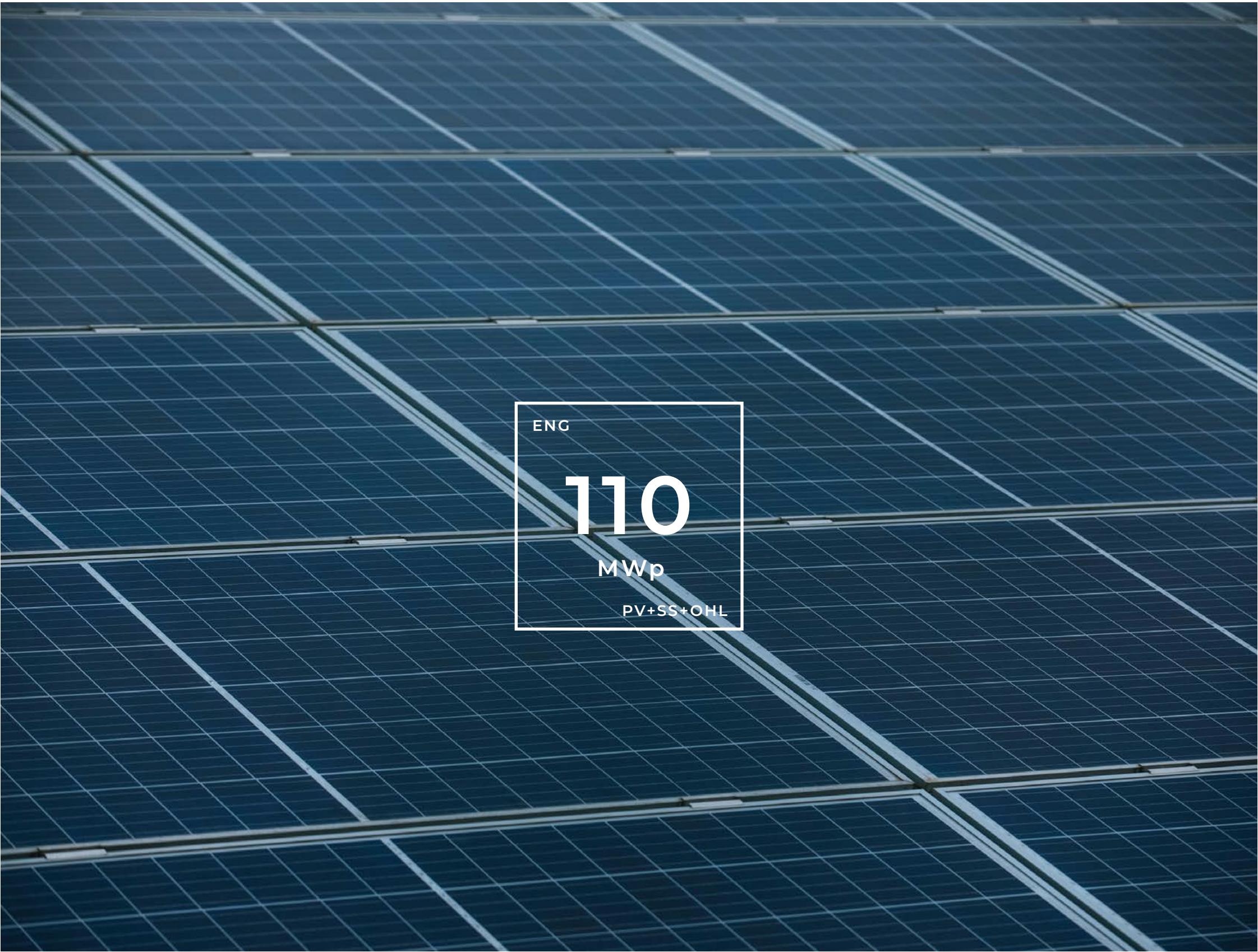
LAGOA DO SOL PV PLANT

POWER			
2022-2023	ENEL Green Power	Brasil	368 MWp
Basic Design for Permits			



DIVOR PV PLANT

POWER			
2021	HYPERION RENEWABLES ÉVORA UNIPessoal, LDA.	Portugal	260 MWp
Environmental Impact Assessment			



ATALAIA PV PLANT

POWER			
2022 - ongoing	ENEL Green Power	Portugal	110 MWp
Basic Design for Permits			



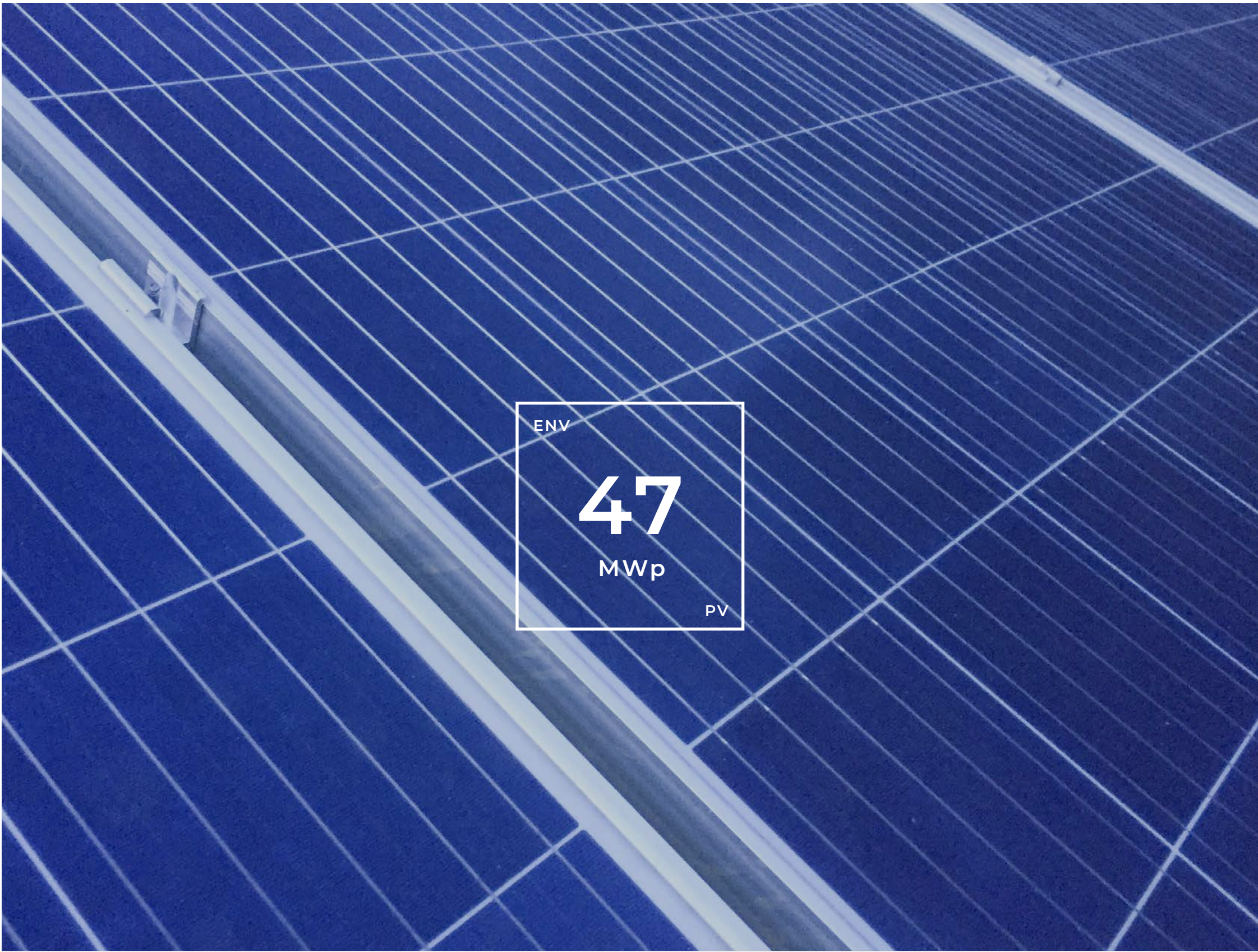
ESTÓI PV PLANT

POWER			
2021	EDP Renewables	Portugal	94,6 MWp
Environmental Impact Assessment, Basic Design for Permitting of the Substation and Overhead Line			



MENDO MARCO, MONTE FALCATO, HERDADE CANHÕES
AND CASAIS DA MARMELEIRA PV PLANTS

POWER			
2020	SOLARIA Energía y Medio Ambiente	Portugal	23MWp + 14MWp + 14MWp + 12MWp
Permit Design and Environmental Impact Assessment for the PV Plants, Substations and Overhead Lines			



CEOG PV PLANT

POWER			
2022 - ongoing	Siemens Energy	French Guiana	47 MWp
Basic and Detail Design for Construction			



CABEÇO SANTO PV PLANT

POWER			
2021	GESTO Energy	Portugal	47 MWp
Permit Design and Environmental Impact Assessment for the PV Plants, Substations and Overhead Lines			



CHARNECA DAS LEBRES AND MINA DE ORGUEIREL PV PLANTS

POWER			
2021	EDP Renewables	Portugal	11 MWp and 9 MWp
Basic Design for Permits, and Detail Design for Tender			



ENV
279
MW
WF+SS+OHL

TÂMEGA NORTH AND SOUTH WIND FARMS AND RESPETIVE EVACUATION LINES AND SUBSTATIONS

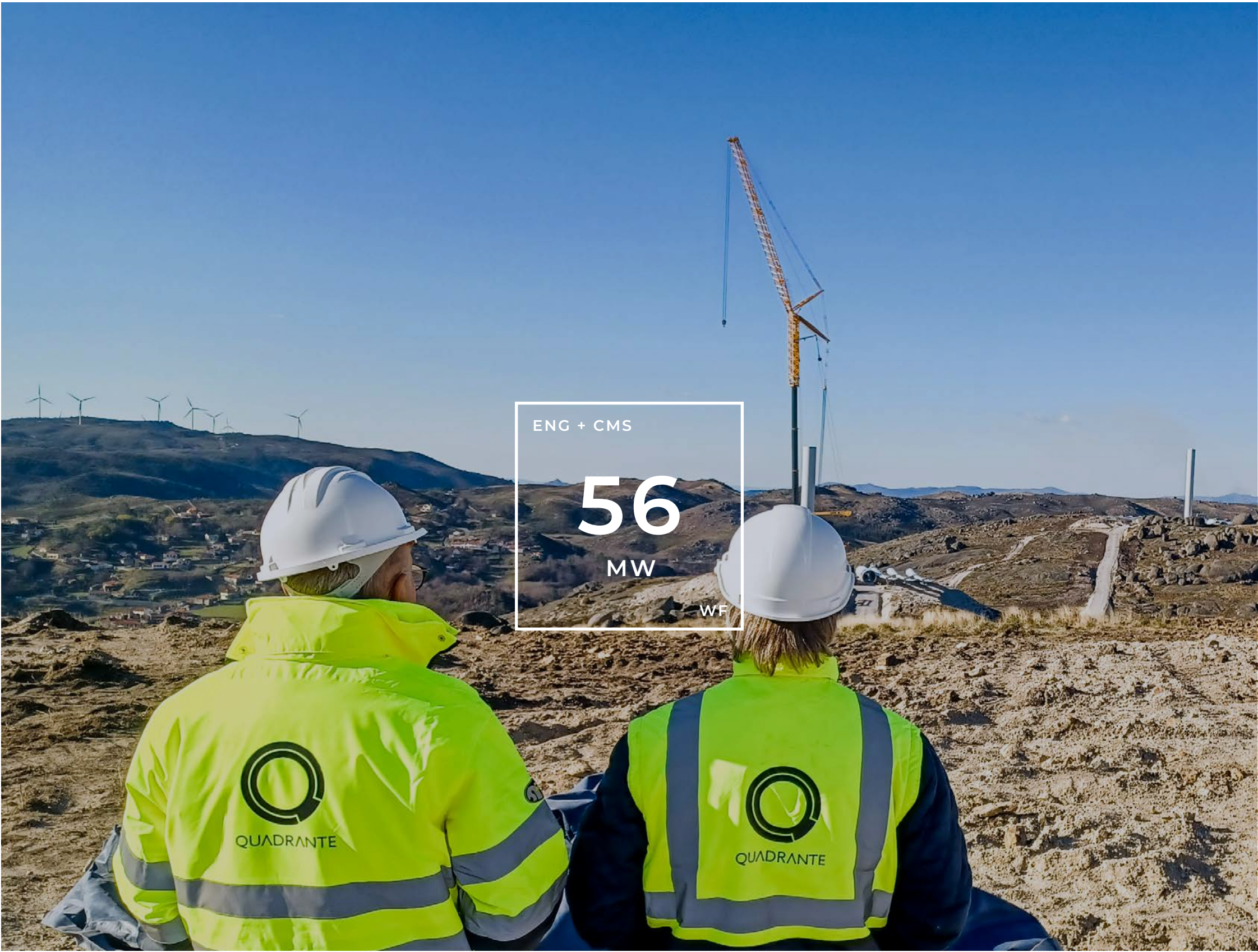
			POWER	VOLTAGE LEVEL
2021-2022	Iberdrola	Portugal	279 MW	400 kV
Environmental and Social Impact Assessment				



ENG + ENV
210
MW
WF+SS+OHL

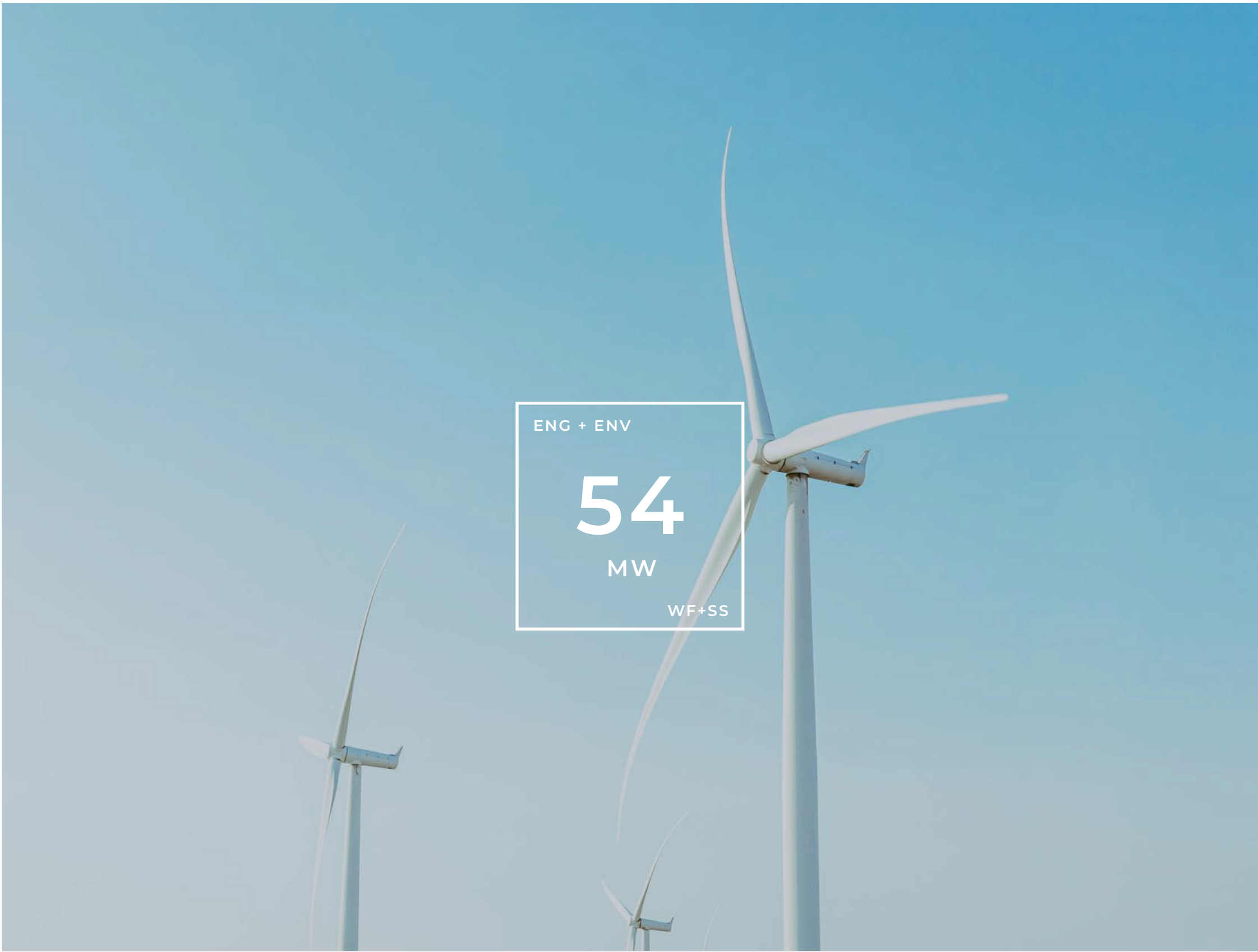
ARANHAS WIND FARM

			POWER	VOLTAGE LEVEL
2022 - ongoing	ENEL Green Power	Portugal	210 MW	220 kV
Co-Development Services, including all the Environmental, Engineering and Field Works Services up to the Ready to Build Status of the Wind Farm, 220/30kV Substation and 220kV Overhead Line				



FAFE, NAVE, MOURISCA AND RALO WIND FARMS

			POWER	VOLTAGE LEVEL
2022 - ongoing	Trust Energy	Portugal	20 + 8 + 8 + 8 MW	60 and 30 kV
Owners Engineer and Site Supervision				



CASA BRANCA WIND FARM

			POWER	VOLTAGE LEVEL
2022 - ongoing	ENEL Green Power	Portugal	54 MW	220 kV
Co-Development Services, including all the Environmental, Engineering and Field Works Services up to the Ready to Build Status of the Wind Farm, 220/30kV Substation and 220kV Overhead Line				



20 WIND FARMS AND ELECTRICAL OVERHEAD LINES

			VOLTAGE LEVEL	LENGHT
2001-2010	ENEOP2, GENERG, IBERWIND e outros	Portugal	700 MW	150 km
Environmental and Social Studies, and Environmental Monitoring				



OVERHEAD LINES OF PARINAS-LIKANANTAI PROJECT

			VOLTAGE LEVEL	LENGHT
2019	Ferrovial	Chile	500/220 kV	173 km
Tender Design Overhead Lines: 2X500 kV Parinas – Likanantai 2X500 kV Changos Cumbres 1X220 kV TAP Taltal – Tatal 1X220 kV TAP Taltal – Tatal				



PEDRALVA - SOBRADO OVERHEAD LINES

			VOLTAGE LEVEL	LENGHT
2015-2016	REN	Portugal	400 kV	70 km
Environmental And Social Studies				



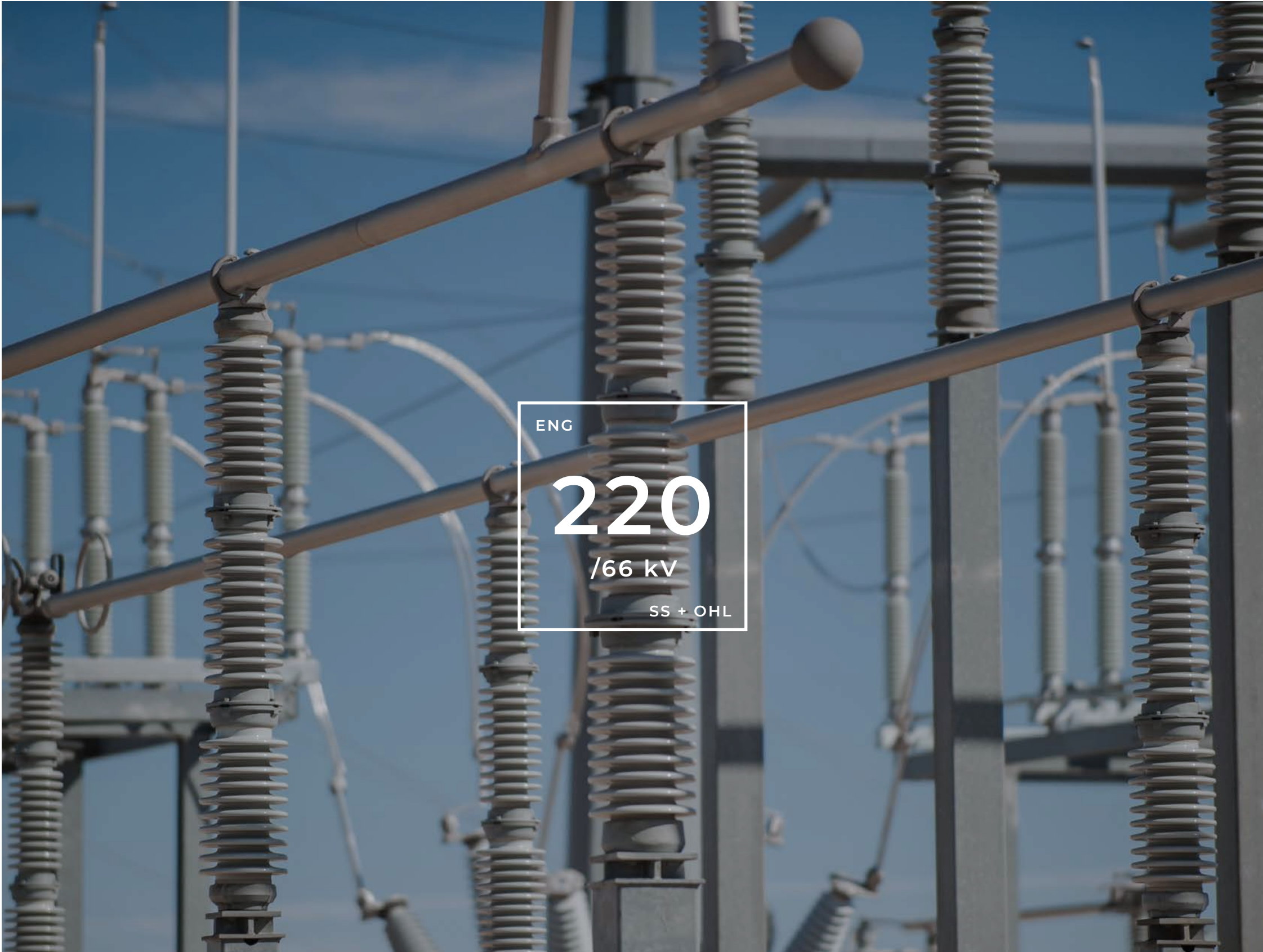
PEGÕES AND DIVOR SUBSTATIONS AND ASSOCIATED DIVOR PEGÕES OVERHEAD LINES

			VOLTAGE LEVEL	LENGHT
2015-2018	REN	Portugal	400/60 kV	50 km
Basic and Detail Design for construction				



SANTAS, AMARGUILHA AND POLVORÃO PV PLANT’S SUBSTATIONS

VOLTAGE LEVEL			
2021-ongoing	Siemens Energy (AKUO ENERGY)	Portugal	1x400/33kV - 165 MVA 1x400/33kV - 130 MVA 1x400/33kV - 110 MVA
Basic and Detail Design for construction			



LA SEÑORAZA, CELULOSA LAJA, LAJA SUBSTATIONS AND ASSOCIATED OVERHEAD LINES

VOLTAGE LEVEL			LENGHT
2022	EFACEC/SAESA/ CMPC/TRANSELEC	Chile	220/66 kV 3 km
Basic and Detail Design for construction La Señoraza 220/66 KV Substations, Celulosa Laja 220 KV Extension, Laja 66 KV Extension and LT 1X220 KV Celulosa Laja - La Señoraza and 1X66 KV la Señoraza Laja overhead Lines			



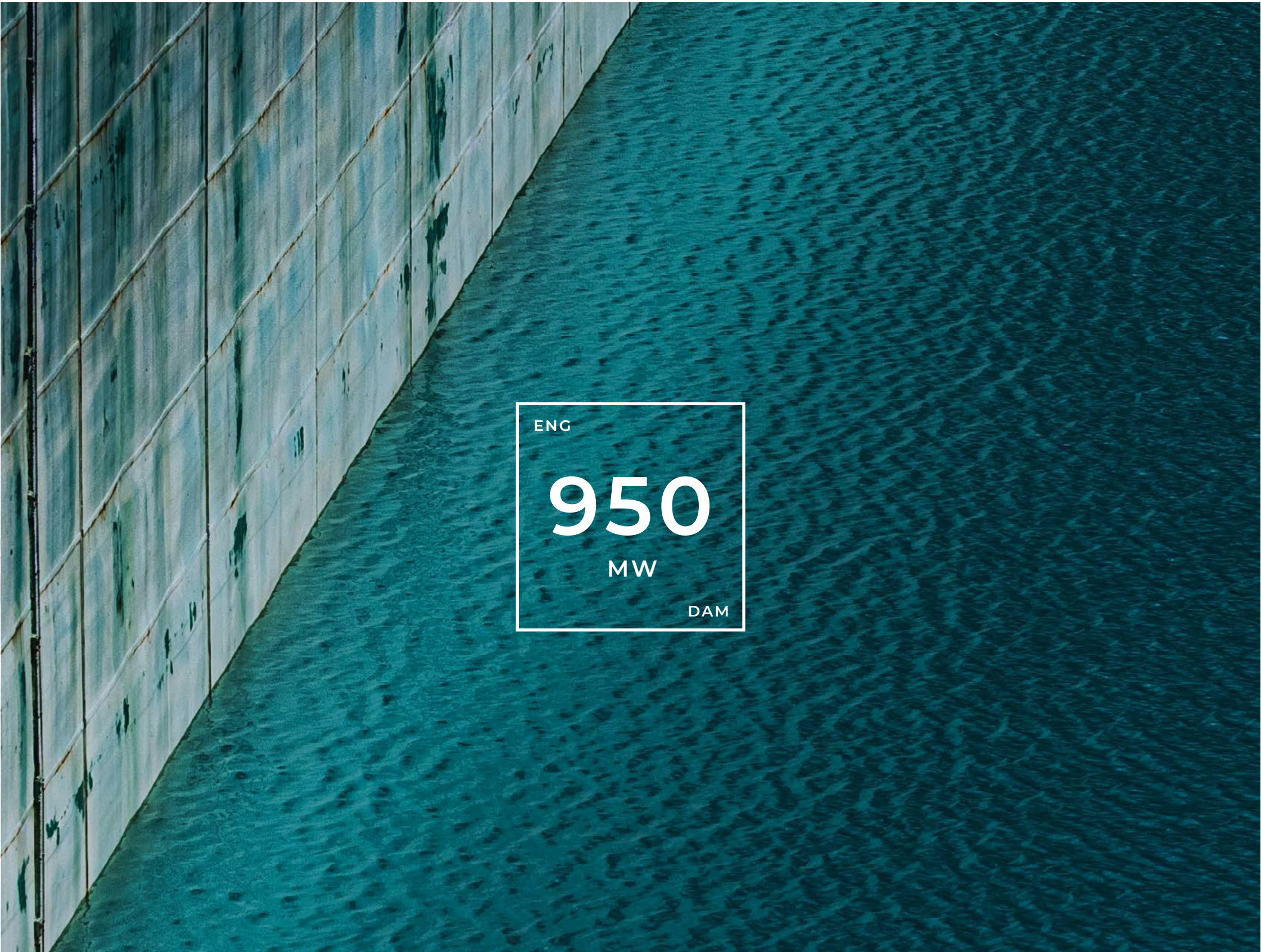
SINCELO WIND FARM (SINCELO, ARGOMIL MOURO AND GALO RAINHA SUBSTATIONS)

VOLTAGE LEVEL			
2021	SIEMENS Energy (EDP Renewables)	Portugal	1 x 220/60kV - 150 MVA 2 x 60/30kV - 50 MVA
Basic and Detail Design for construction			



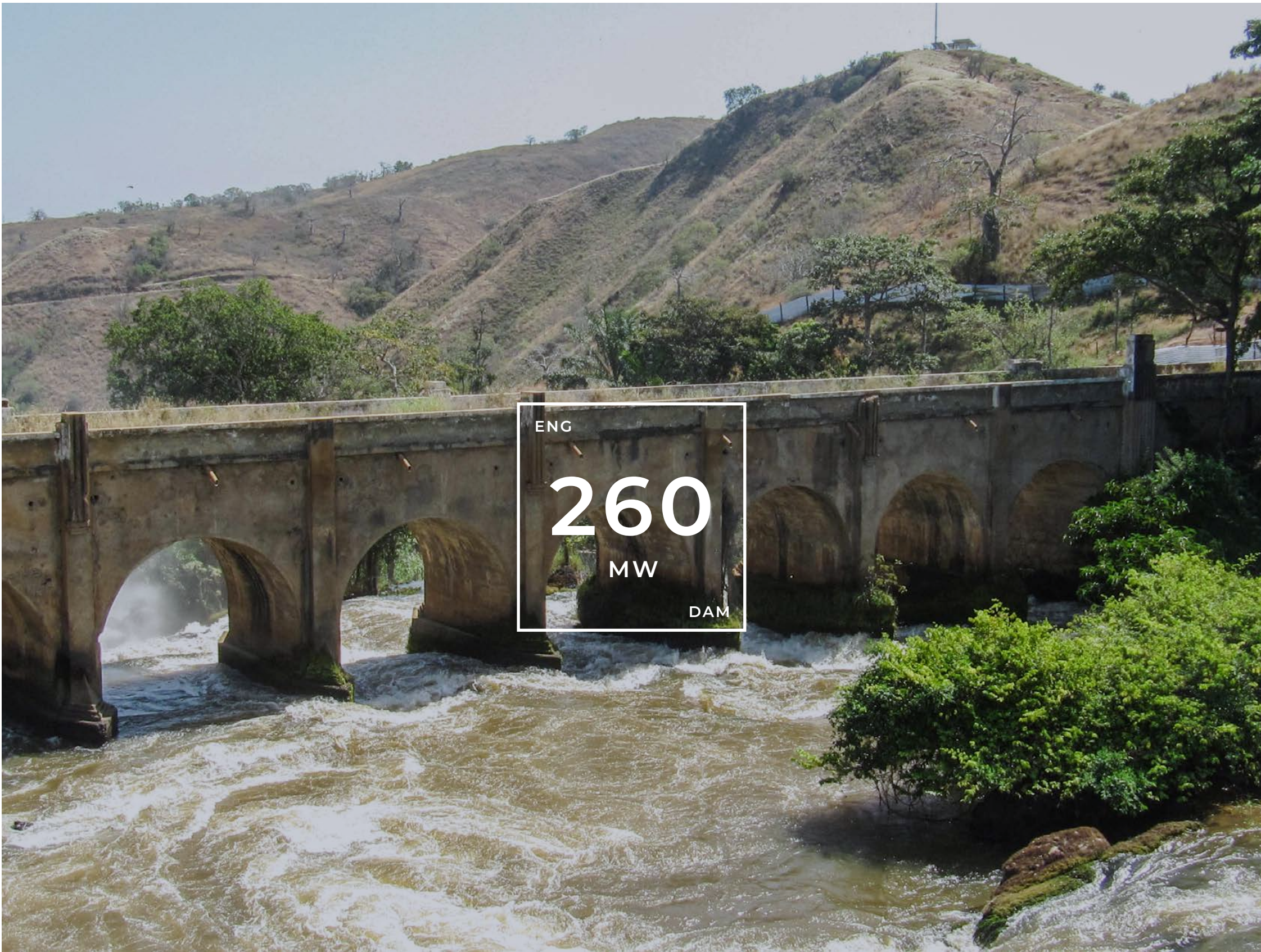
COTOVIO PV PLANT SUBSTATION AND OVERHEAD LINE

VOLTAGE LEVEL			LENGHT
2020-2021	VOLTALIA (SMART ENERGY)	Portugal	150/30kV - 50 MVA 0,5 km
Basic and Detail Design for construction			



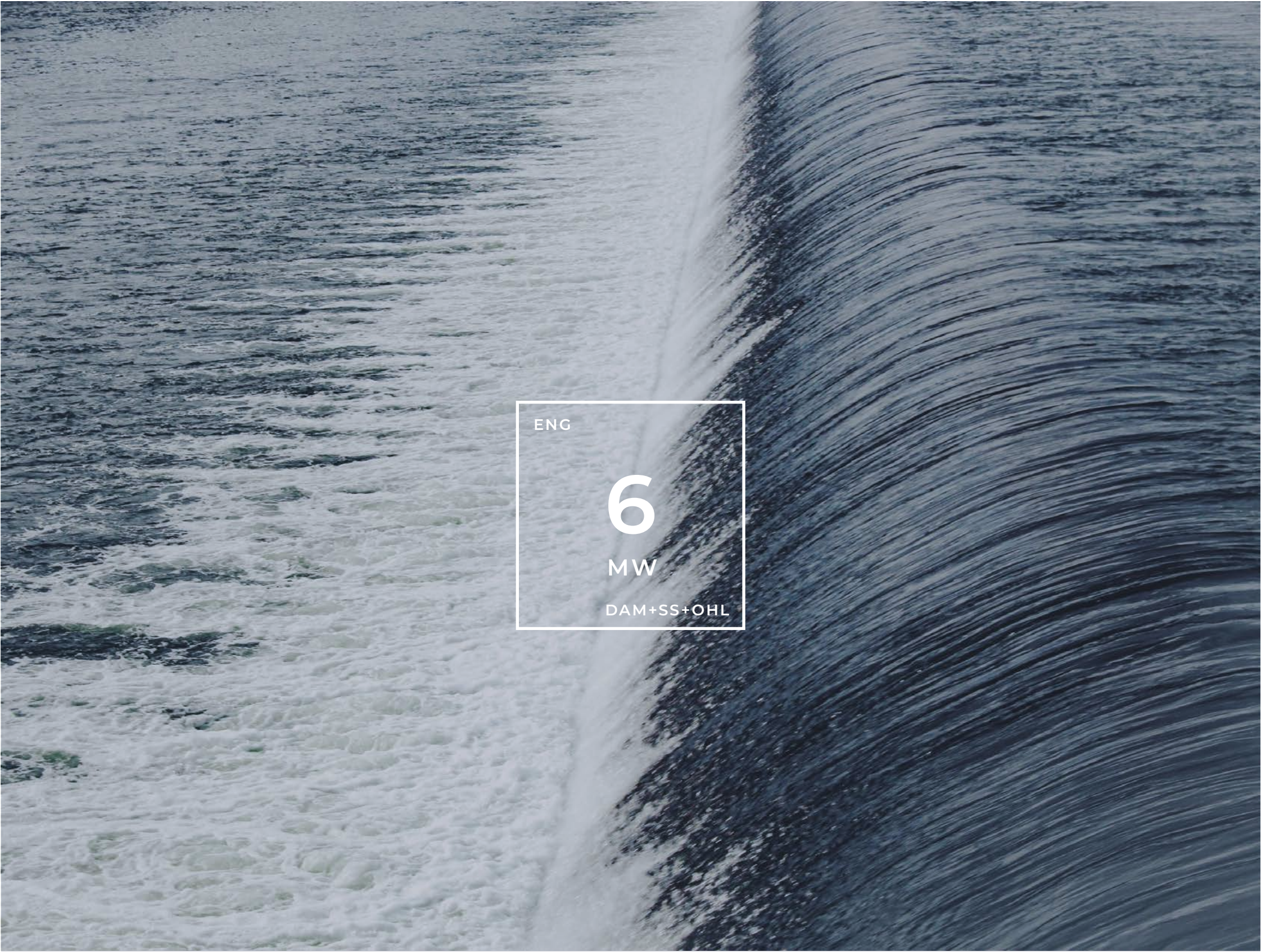
ZENZO HIDROELECTRIC POWERPLANT, IN KWANZA RIVER

POWER			
2016-2018	China Internactional Waters& Electric Corp. (CWE)	Angola	950 MW
Environmental and Social Impact Assessment			



HYDROELECTRIC POWERPLANTS IN KEVE RIVER

POWER			
2012 - 2017	Sinohydro Angola	Angola	260 MW
Environmental Strategic Evolution, and Environment and Social Impact Assessment			



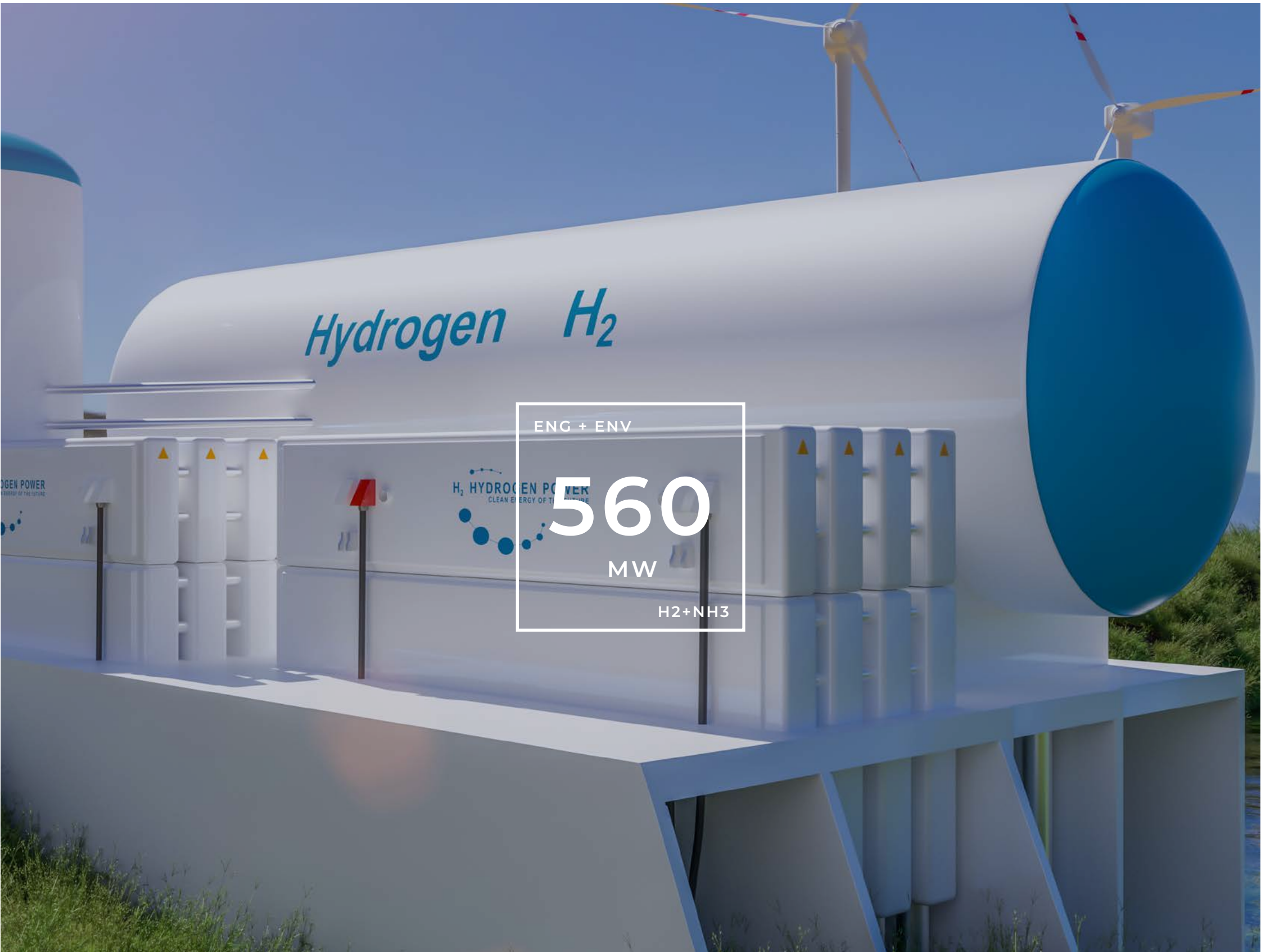
CONDOR MINI HYDROELECTRIC POWER PLANT

POWER			
2016 - 2018	Schwager Hydro S.A.	Chile	6 MW
Review of Preliminary Design and Detail Design			



LOS PINOS MINI HYDROELECTRIC POWER PLANT

POWER			
2016-2018	Schwager Hydro S.A.	Chile	4 MW
Review of Preliminary Design and Detail Design			



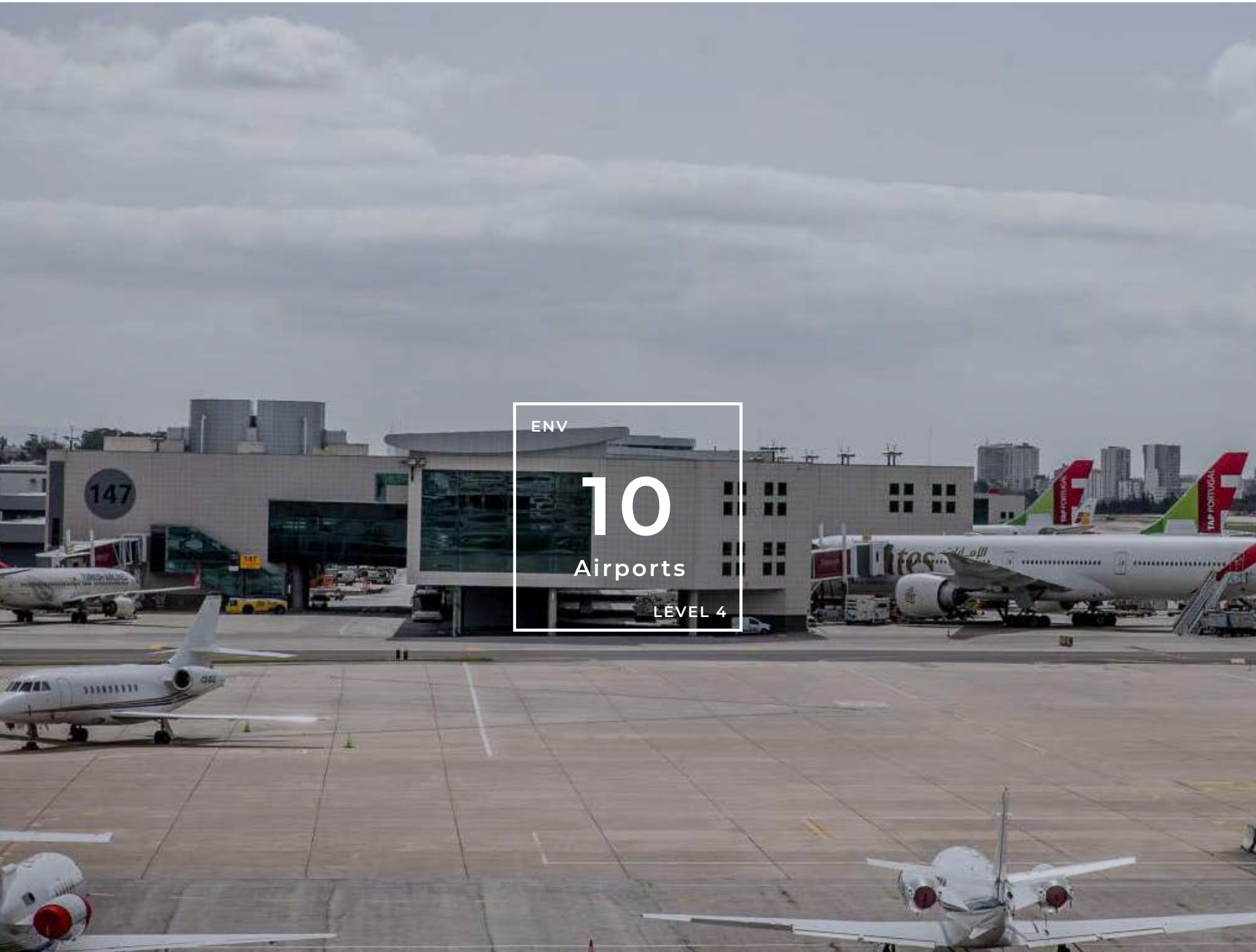
SINES ENERGY CARRIER HUB (H2 AND NH3 PRODUCTION)

POWER			
2022 - ongoing	Madoqua Renewables	Portugal	500 MW H2 + 60 MW NH3
Environmental and Industrial Permits and Design of Grid Connection Infrastructures (Substations and Overhead Lines)			



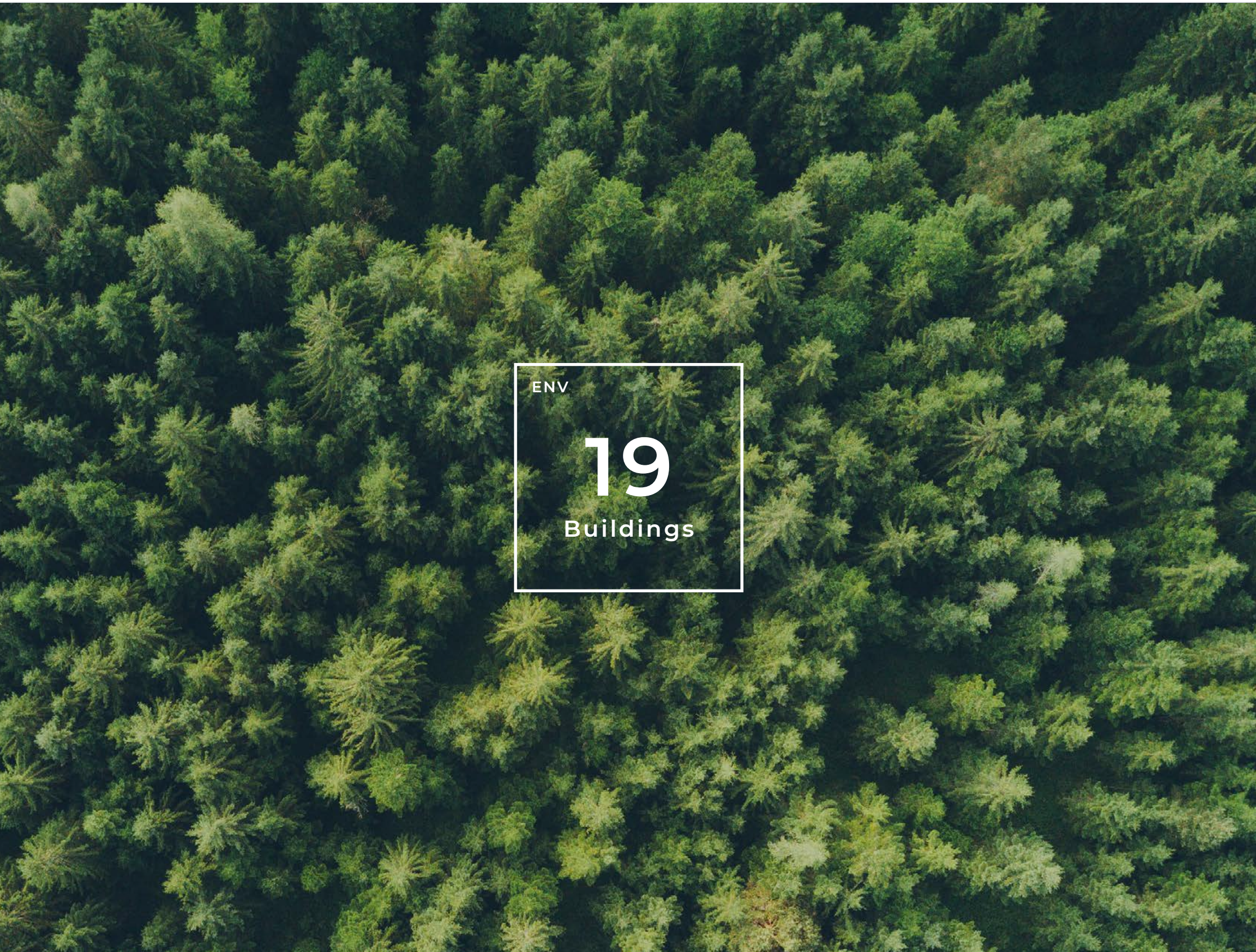
NAZARÉ GREEN HYDROGEN VALLEY

POWER			
2022 - ongoing	RegaEnergy	Portugal	40 MW
Environmental And Social Studies			



ANA AEROPORTOS APPLIANCE TO THE LEVEL 4 AND 4+
OF AIRPORT CARBON ACREDITATION

2020 - ongoing	ANA Aeroportos	Portugal	10 airports - level 4+ in 2022
Support ANA Aeroportos to the Highest Level of Airport Carbon Accreditation: carbon reduction plan and partnership plan . Annual monitoring.			



DECARBONIZATION PROGRAM FOR THE ACTIVITY
OF THE BANK OF PORTUGAL

ongoing	Banco de Portugal	Portugal	19 buildings
3 phases decarbonization programme: establish the basline emission, set a target and define a reduction plan, with predicted and new mitigation measures.			

Quadrante Strenghts



Quadrante positions itself as the largest Portuguese consulting company operating in the engineering area and has numerous factors that differentiate its operation:

ADVISORY

PERMITINGS

TOTAL DESIGN

BIM

SUSTAINABILITY

CLIMATE CHANGE

SOCIAL ENVIRONMENTAL IMPACT ASSESSMENT

COMMUNITY ENGAGEMENT

GLOBAL EXPERIENCE

DIVERSITY

EXPERTISE

MULTI DISCIPLINARIEDADE

CLIENTS' SUPPORT



a.

Total Design

A holistic view of the construction sector

At Quadrante, we work towards the same thing and with the same in mind: the end point, a turnkey project resulting from a 360 approach, which we call **Total Design**.

We start for each project side by side with our clients and their expectations and supported by multidisciplinary teams, who think and execute all its dimensions and deliver integrated and responsible solutions, contemplating areas such as Engineering, Architecture, Environment and Sustainability.

b.

BIM

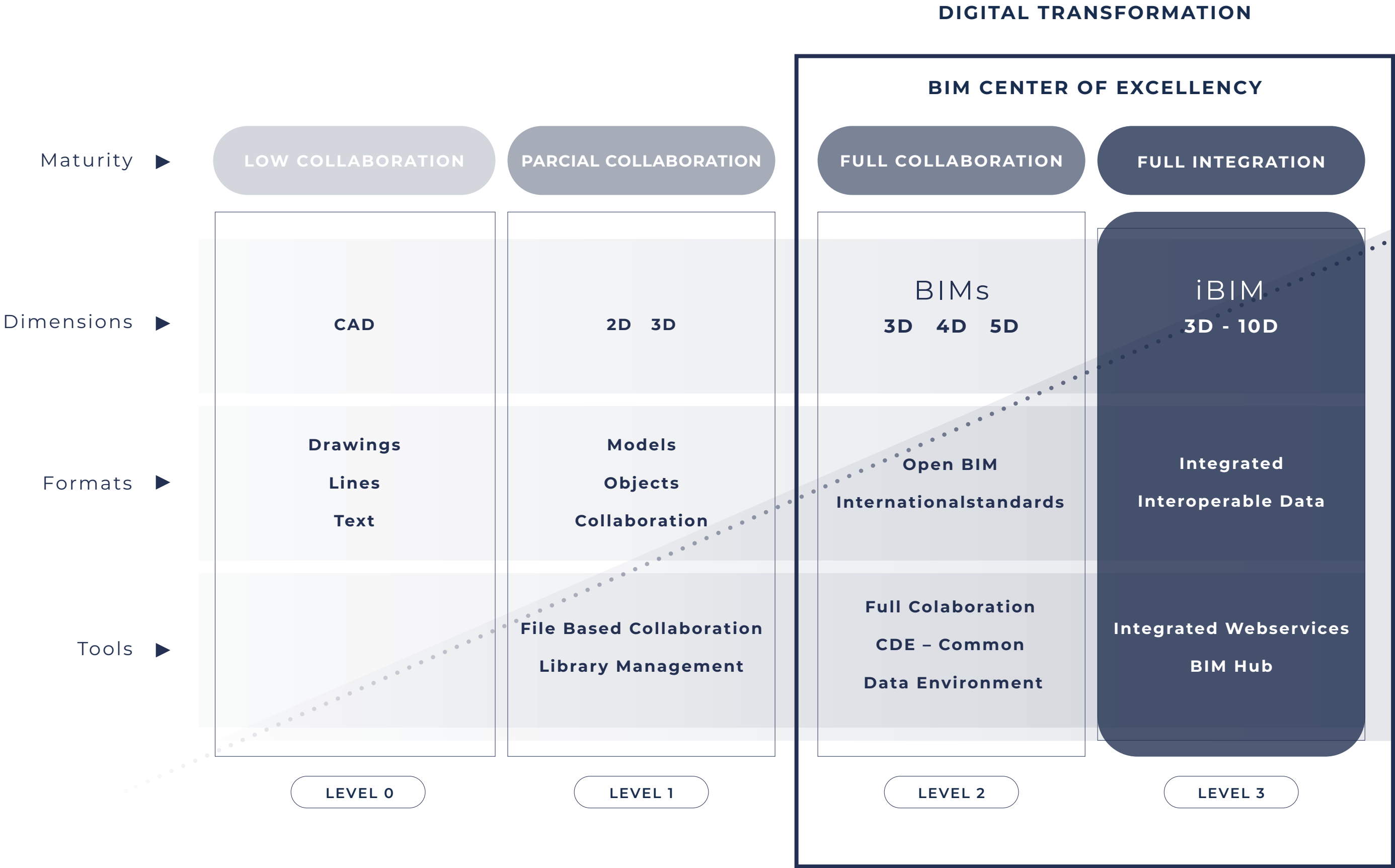
Transforming Digital AEC

Quadrante believes in the power of information (big data). It is the ability to maximize efficiency and ensure better results for our clients in their projects.

Nowadays, Quadrante has a BIM excellence centre, with a team dedicated to the development of digital processes, because we believe that the success of our projects depends on the innovation of working methods, such as team collaboration and communication.

BENEFITS

- MAXIMISED EFFICIENCY
- REDUCE COST AND WASTAGE
- IMPROVE COST ESTIMATES
- BETTER INSIGHTS INTO PROJECTS
- COLLABORATION AND COMMUNICATION
- LESS RISK
- BETTER END RESULTS



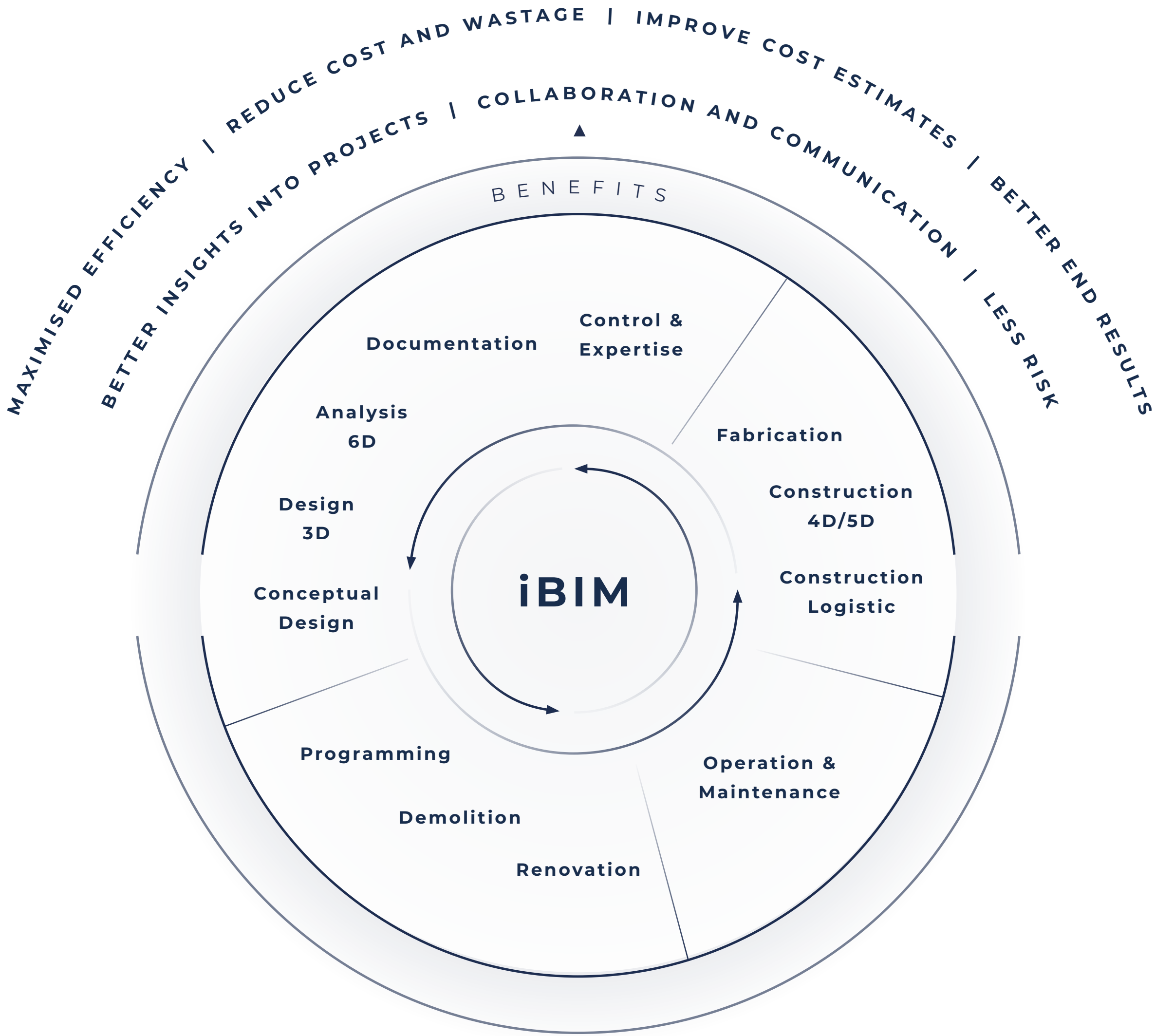
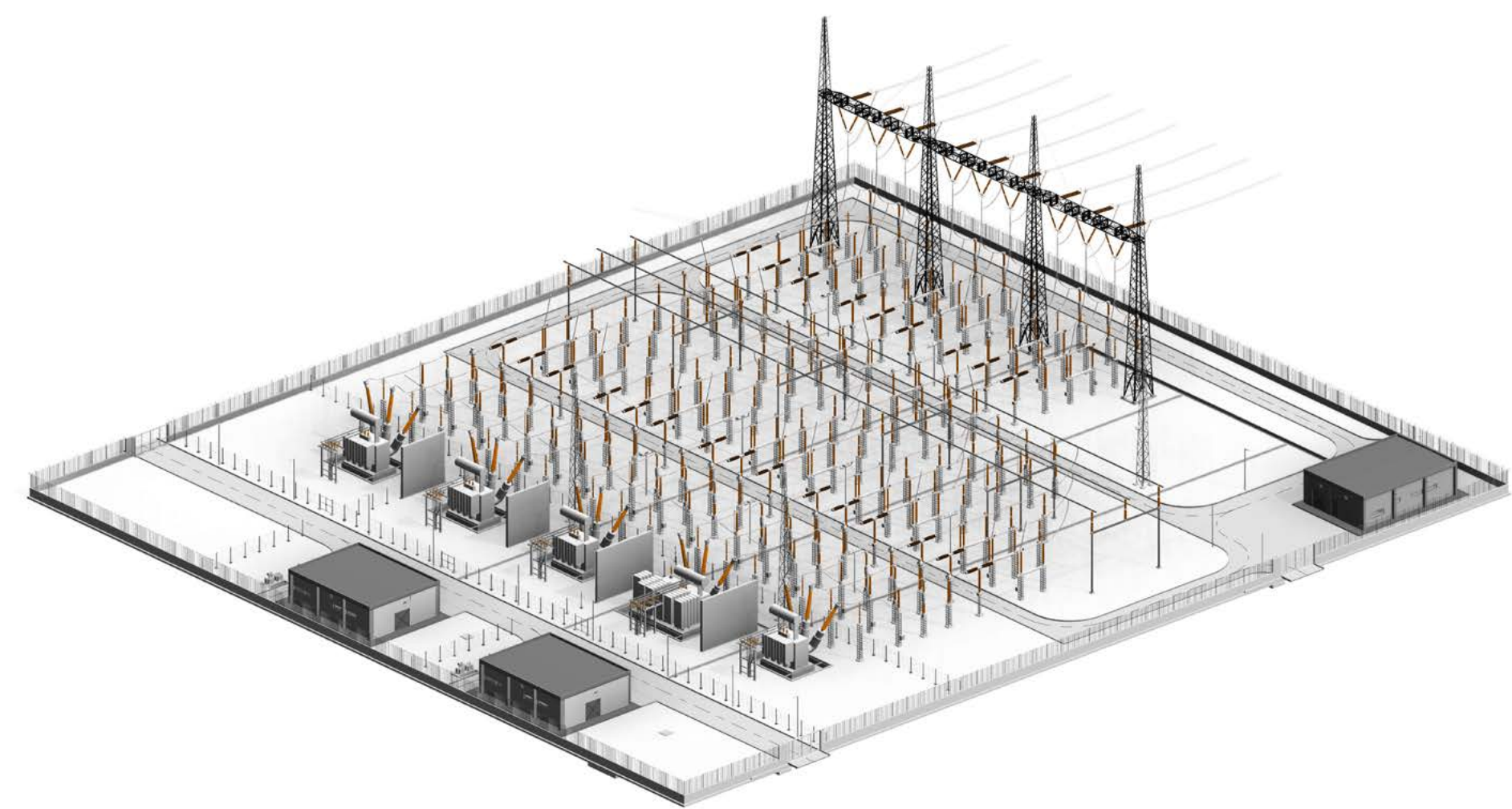
b.

BIM

Unifying all the steps

Overall, the advantages of using BIM , in every step of the value chain, includes improved collaboration, better design visualization, clash detection, accurate cost estimation, enhanced construction efficiency, streamlined facility management, sustainability analysis, improved safety, and risk mitigation.

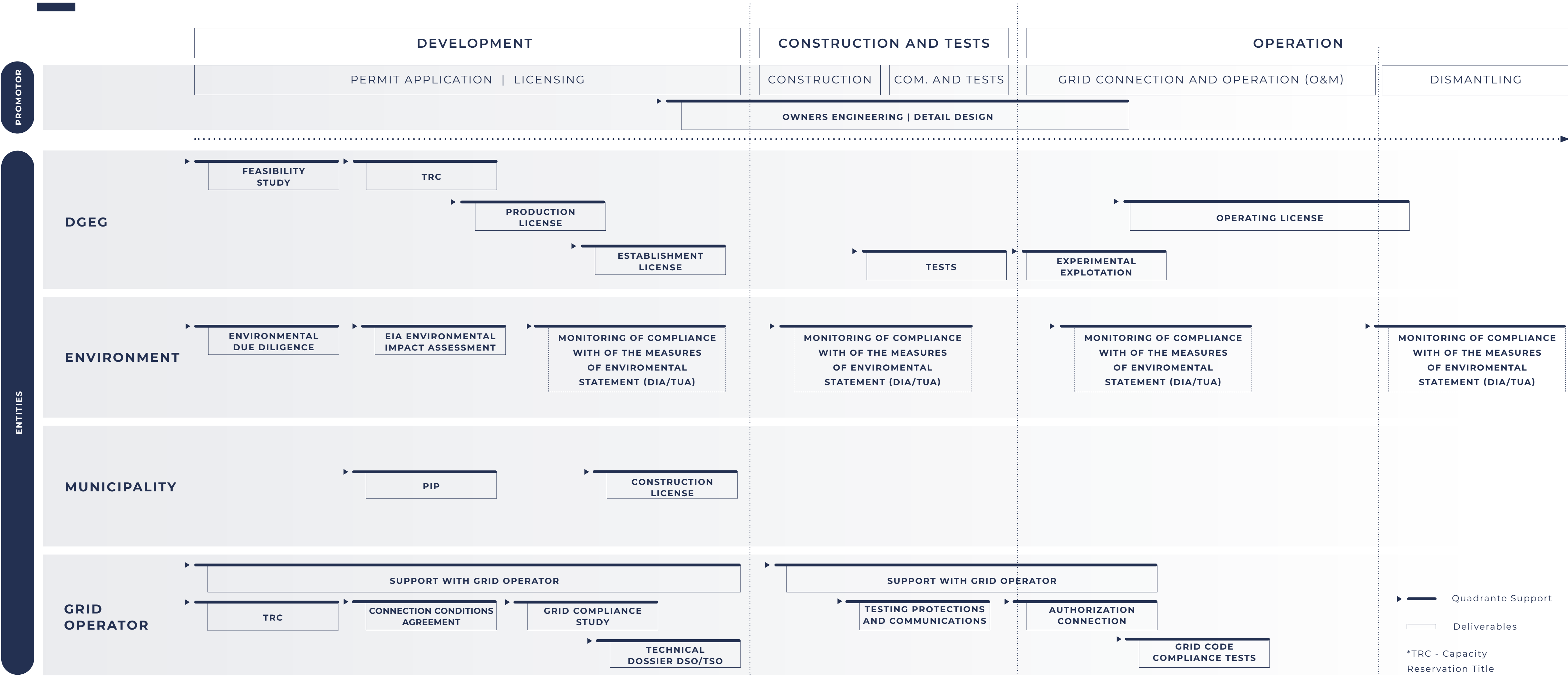
These benefits contribute to more efficient project delivery, reduced costs, and enhanced overall project quality.



c.

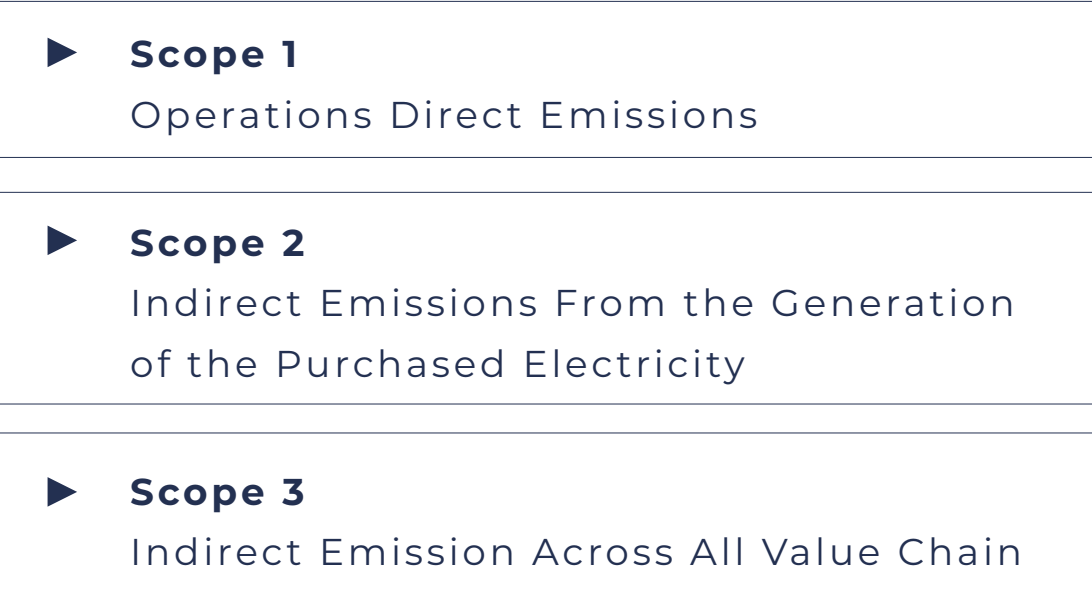
Permitting Pathway

Quadrante manages the entire process and ensures quick approvals by leveraging extensive experience in permitting design. This procedure is required for a successful and legally compliant project that fulfils high safety, quality, and professionalism standards.



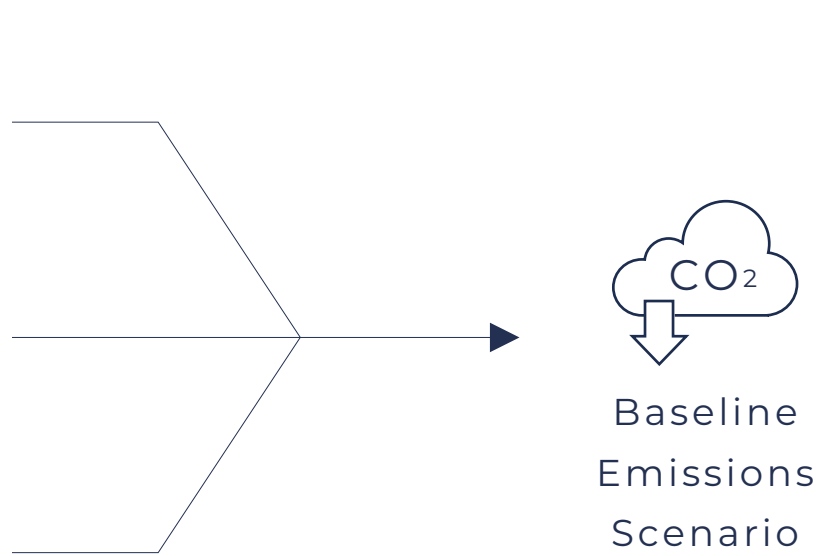
d.

Decarbonization



In the current paradigm of clean energy, the word decarbonization is central. The GHG emissions reduction is essential to achieve the ambitious national and sectorial targets.

Quadrante, gathering a team of experts in the several areas of engineering and climate change can help any client (industrial, transports, buildings) to get through this process,



following a simple procedure, with high engagement of the client, which lead into a decarbonization strategy.



Around the World



- OFFICES
- PROJECTS

<p>+380</p> <p>EMPLOYEES</p>	<p>7087</p> <p>ALL PROJECTS</p>
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Clients



Main Team



NUNO COSTA

Senior Partner and CEO
QUADRANTE Group

Nuno Pais Costa is the CEO and Founding Partner of the Quadrante, where he is currently working as Senior Partner managing Complex and Multidisciplinary Projects. He has more than 20 years of experience in the development and management of high profile and complex projects in Europe, Africa and Latin America.

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NUNO MARTINS

Senior Partner -
Head of Energy and Industry

Nuno Martins is one of the founders of Quadrante. He has more than 20 years of professional experience in the field of engineering and consulting and is responsible for the Energy and Industry Business Unit. Nuno is responsible for the Chilean market.

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ARMANDO SANTOS

Global Partner - Client Manager -
Energy and Industry

Armando Santos has more than 13 years of national and international experience in energy production, transportation, and distribution projects. At Quadrante Group since 2017 as a Client Manager in the Energy segment of the Energy and Industry Business Unit, accumulates functions of Global Partner and Client Manager.

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RODRIGO FERREIRA

Head of Environment
and Sustainability

Rodrigo Ferreira is the Head of Business Unit – Environment in Quadrante. He has 23+ years of international professional experience in environmental consulting for clients in the Power, Infrastructure, Oil & Gas and Mining sectors, with a focus on business development, project management, E&S risk analysis and technical/ commercial/ project team leadership.

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SARA CAPELA

Client Manager -
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Sara Capela serves as Client Manager in the Group's Environment and Climate Change Business Unit, where she coordinates large, complex and multidisciplinary projects, both in Portugal and abroad, dealing with various segments, focused on Climate Change, Air Quality and Human Health.

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LUÍS MOLEIRINHO

Client Manager -
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Luis Moleirinho has more than 20 years of national and international experience in projects related to Energy Production, Transmission and Distribution, Electrical Substations and Transmission and Distribution Lines. He is currently Client Manager in the Energy and Industry Business Unit.

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MANUEL OLIVEIRA

Client Manager -
Special Projects

Manuel Oliveira has more than 20 years of experience in developing and coordinating large complex and multidisciplinary projects, both in Portugal and abroad. At Quadrante Group since 2002, he was responsible for managing the operation in Brazil between 2011 and 2016, currently serving as Client Manager in the Special Projects Business Unit.

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**QUADRANTE
ENERGY**



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