

CORPORATE PRESENTATION – WIND OFFSHORE

December 2021



**Providing integrated environmental,
survey and inspection solutions**

Globally. Offshore & Nearshore. On shore. In our own Labs.



A TRADEBE COMPANY

Enabling sustainable progress

Agenda



About Us



Detailed Portfolio



Wind offshore expertise



ABOUT US

Tecnoambiente is a Marine Survey & Environmental Consulting company, with its own accredited Laboratory



Our business portfolio comprises **Marine Survey, Environmental Consulting** (offshore & onshore) and **Lab Testing and Inspection**



Headquartered in **Spain** we also have permanent presence in **Peru** and **Colombia**, and are able to deliver projects **worldwide**



We have a **high caliber, diverse** and **inclusive** team of **100+ people**, with varied scientific backgrounds and **extensive experience**



Relevant **ISO** certifications evidence our incontestable commitment towards **Health & Safety**, the **Environment** and our **Clients**



Tecnoambiente is part and is supported by **Tradebe**, a leading Environmental Services player with Revenues c. **500M€**

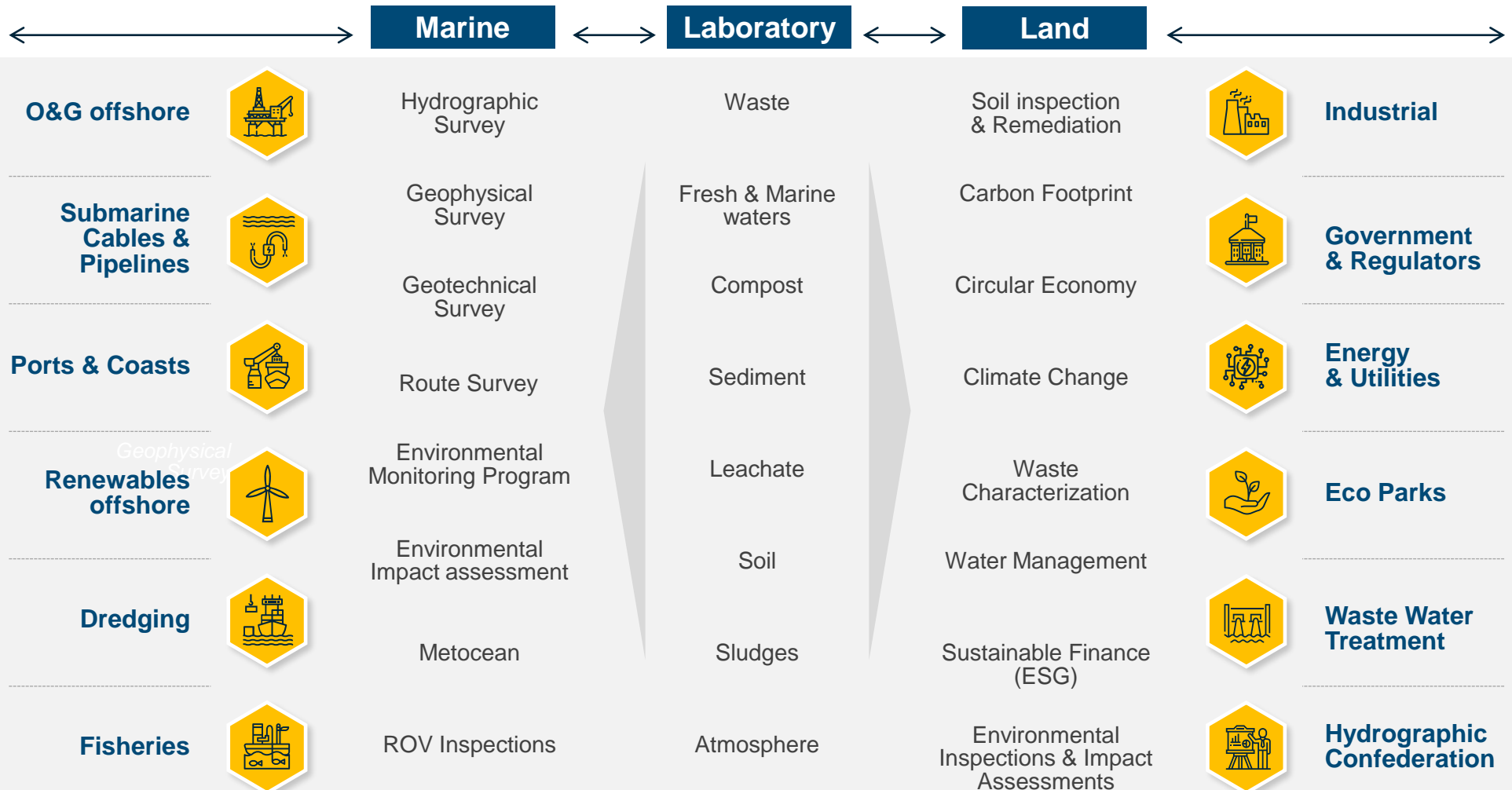


Our **work culture** and approach defines us: agile, flexible, collaborative, oriented to tangible results and customer focused



Business lines

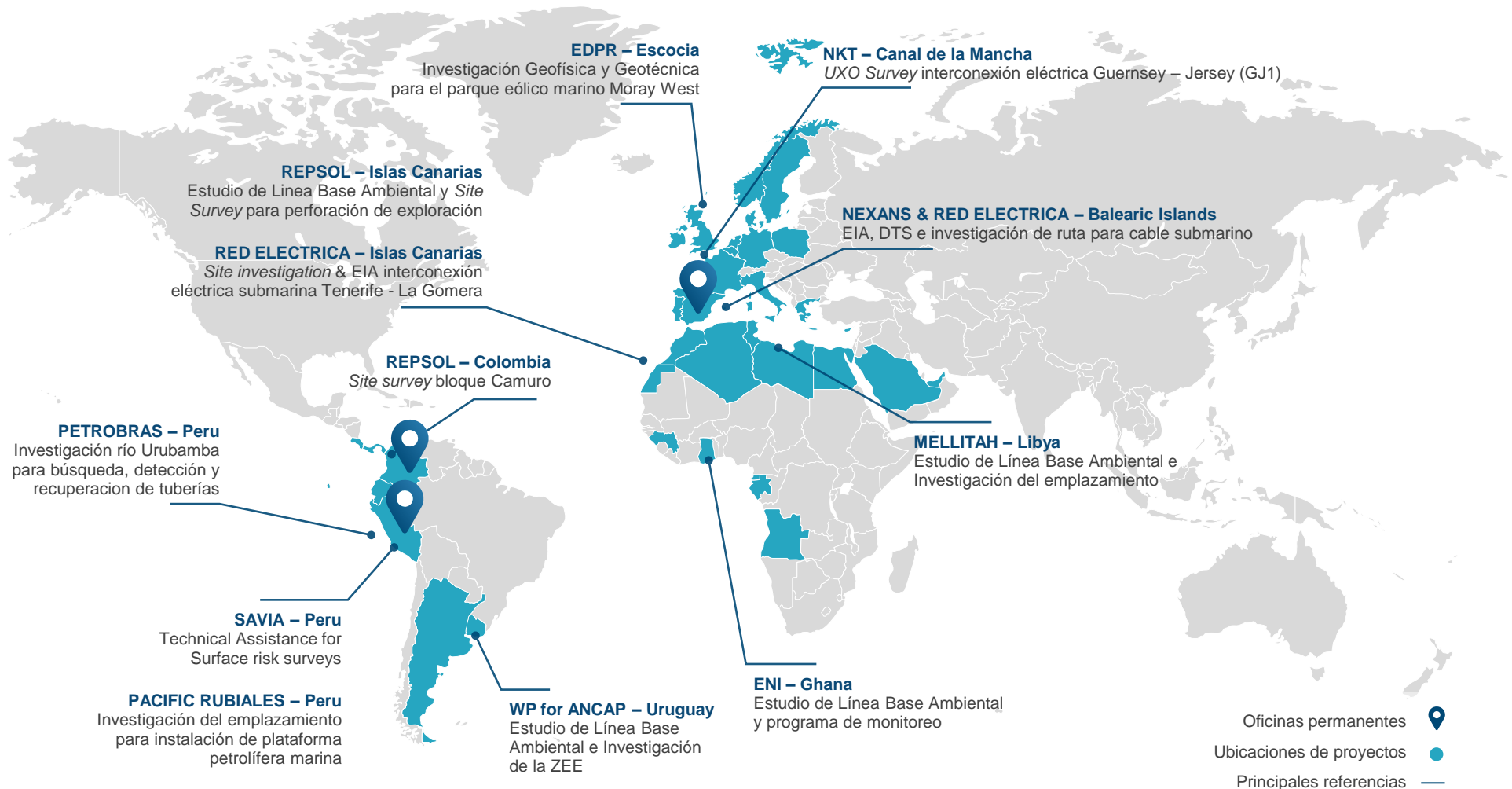
Our expertise spans a wide range of industries and services





Global scope

We have performed projects in multiple countries, mobilizing as required



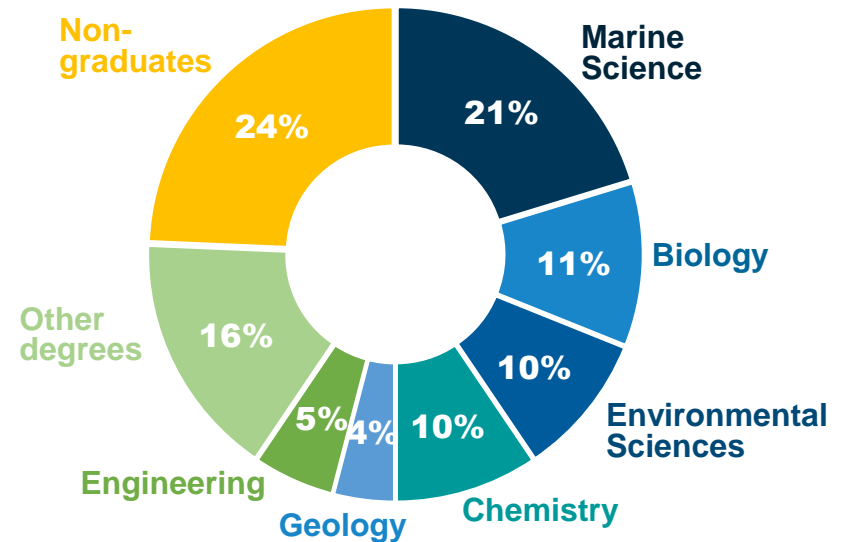


Our Team

To better serve our clients, we draw from a wealth of diverse backgrounds and experiences

The diversity and experience of our team of 100+ people, are the key drivers of our success, enabling innovation, creative thinking and problem solving

Number of people by business line:



14

Average years of industry experience



41

Average age



9

Languages spoken



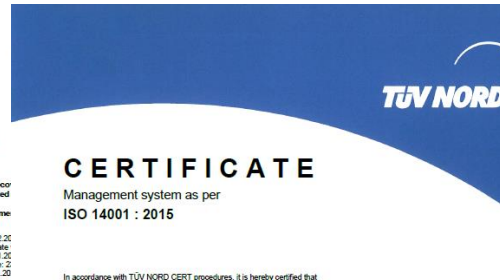
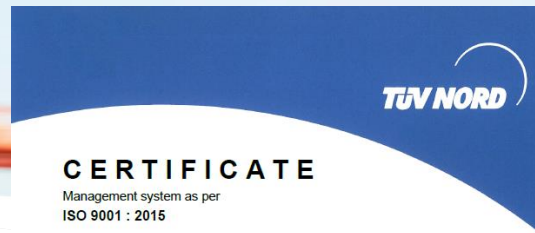
43%

Women presence



Certifications and Memberships

We are a safe and reliable company, committed to maintain the highest standards on health and safety, environment protection and client satisfaction



Technical director: Amparo Langa Riós
at TÜV NORD CERT GmbH

This certification was conducted in accordance with the TÜV NORD CERT auditing and is subject to regular surveillance audits.

TÜV NORD CERT GmbH Langemarkstraße 20 45141 Essen



Technical director: Amparo Langa Riós
at TÜV NORD CERT GmbH

with the locations / sites according to the annex.

applies a management system in line with the above standard for the following scope
-Environmental studies in the marine, land and industrial fields.
-Marine Survey (geophysical, hydrographical and geotechnical).
-Underwater image and inspection.
-Inspection and manual characterization of waste and quality control of recovered materials.
-Research inspection and remediation of contaminated soils and associated groundwater.
-Water inspection.
-Sampling and physical-chemical and microbiological analysis of environmental samples.
-Reporting and office projects, laboratory analysis and sampling.

Certificate Registration N°: 44104117217 Valid from: 13.10.2020
Audit Report N°: 200183 Valid until: 12.12.2023



Technical director: Amparo Langa Riós
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Certificate Registration N°: 44126117217 Valid from: 23.10.2020
Audit Report N°: 200183 Valid until: 22.10.2023



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Tecnoambiente belongs to Tradebe, an Environmental Services leading international company, focused on Recycling and Energy Recovery

20M€



**Storage Terminal
Services division**

453,000 m³
storage capacity at
Port of Barcelona

465M€



**Environmental
Services division**

14M€



Other

Geographical split & key figures

29%
SPAIN



39%
USA

27%
UK

4%
MIDDLE EAST



30+ years
of experience



2,100
Employees



76
Permitted
facilities

3 Business Lines



**Recycling &
energy recovery**

RECYCLING

- Solvents
- Fuel Recovery
- Metal Recovery
- Light Weight Aggregate

ENERGY RECOVERY

- Organic waste:
- Alternative Fuel:



**Technical
Services**

TREATMENT

- Physico-chemical
- Biological
- Thermal Desorption
- Waste water
- NORM & Radioactive Waste
- Soil Remediation

DISPOSAL

- High Temperature Incineration
- Landfill



**Field
Services**

INDUSTRIAL SERVICES:

- Tank & equipment cleaning
- Emergency Response
- Total Waste Management

SURVEY & CONSULTING

- Marine Survey
- Environmental Consulting
- Lab Testing & Inspection



DETAILED PORTFOLIO OF SERVICES

Marine Survey & Consulting

- Environmental **baseline** studies
- **EIA** Environmental Impact Assessments
- **Site surveys**
(Hydrographic, geophysical and geotechnical)
- **Cables and pipelines** route studies
- **Geohazards** and surface risk identifications
- **Risk** assessments and **Due Diligence**
- Specific **Environmental Studies**
- **Numerical modelling**
(discharge, dispersion, oil spills...)
- **Hydrodynamic studies**
(waves, tides and currents)
- **Coastal dynamics**
(shoreline evolution, sediment transport)
- Analysis of **design and location** alternatives
- **Underwater imagery**
(ROV, deep sea towed cameras)
- **Electromagnetic fields studies**
- **Acoustic monitoring**
(noise monitoring, cetacean detection, passive acoustic monitoring...)
- **Real time environment monitoring**
- **Environmental Monitoring Programs**
(Environmental impact minimization, corrective actions)
- **Underwater facilities inspection**
(failures detection and maintenance support)
- **Transplanting and moving of protected species**
(*P. oceanica*, *P. nobilis*)
- **Dredging operations monitoring**
- **Fisheries**
- **Underwater archeology**



Environmental Consulting

- **Sustainability & Circular Economy** projects
- **Carbon footprint** and **carbon markets**
- **Waste management** systems design
- **Contaminated Soil** Inspection and Remediation
- **Inland waters** ecological status and monitoring programs
- **Discharge modeling** in lakes and rivers,...
- **Avifauna monitoring and tracking**, migration studies, protected species
- Natural Environment monitoring, **endangered species** reintroduction programs
- Non-native or **exotic species** proliferation control
- **Environmental Impact Assessments**
- **Sustainable Finance** policy, analysis and investments
- **Climate Change** impacts, vulnerabilities and risks
- **In situ environmental monitoring** (air, water, noise, odor impact...)
- Atmospheric modeling for **air pollution** prevention and monitoring
- Evaluation, management and recuperation of **protected natural areas**
- Natural areas **environmental characterization** and inventory
- **Landscape restoration**, infrastructure integration
- Thermographic studies and **Landfill gas measurement**
- Environmental control and monitoring of **landfills, sewage treatment plants, composting plants**



Laboratory Testing and Inspection

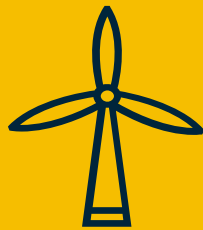
- **Seawater** quality control
- **Marine sediments and dredging materials** characterization
- **Benthic organisms** characterization and taxonomic identification
- **Biometry and morphologic analysis** in marine organisms
- **Waste water** physico-chemical characterization
- **Toxicology and ecotoxicology** analysis
- **Biodegradation tests**, reactivity, corrosion and inflammability tests
- **Hazardous waste** characterization
- Chemical analysis of **organic and inorganic compounds**
- **Microbiology** tests
- **Leachates** analysis
- **Polluted soils** characterization and risk analysis
- **Nutrient** analysis for soil management
- **Atmospheric pollution** monitoring programs
- **Sedimentable particles** analysis
- **Biologic and ecologic indicators** in inland waters quality control
- Chemical analysis for **limnology**





TECNOAMBIENTE

A TRADEBE COMPANY



WIND OFFSHORE EXPERTISE



Why Tecnoambiente

We leverage our strengths to become strategic partners for our clients

1

Adequately resourced, technically and financially solvent

- Our large multidisciplinary team comprises Marine Science graduates and top class Surveyors
- Tradebe's support addresses client's concerns re: PCG, Performance Bond, Insurances, etc.

2

Integrated environmental, marine survey and testing solutions

- We provide turnkey environmental and survey projects – all in one team and one company
- We have a broad experience in marine projects, from nearshore to deep offshore

3

Local factor advantage – the target geographical areas are our backyard

- We have offices and long-term established presence in Barcelona, Jerez and A Coruña
- The number and quality of our project references in the target area is unparalleled

4

Operational excellence and continued client support

- We are flexible in operations design and support client until final milestone is completed
- We have our own equipment which is mobile, adapted to transits and easy to assemble

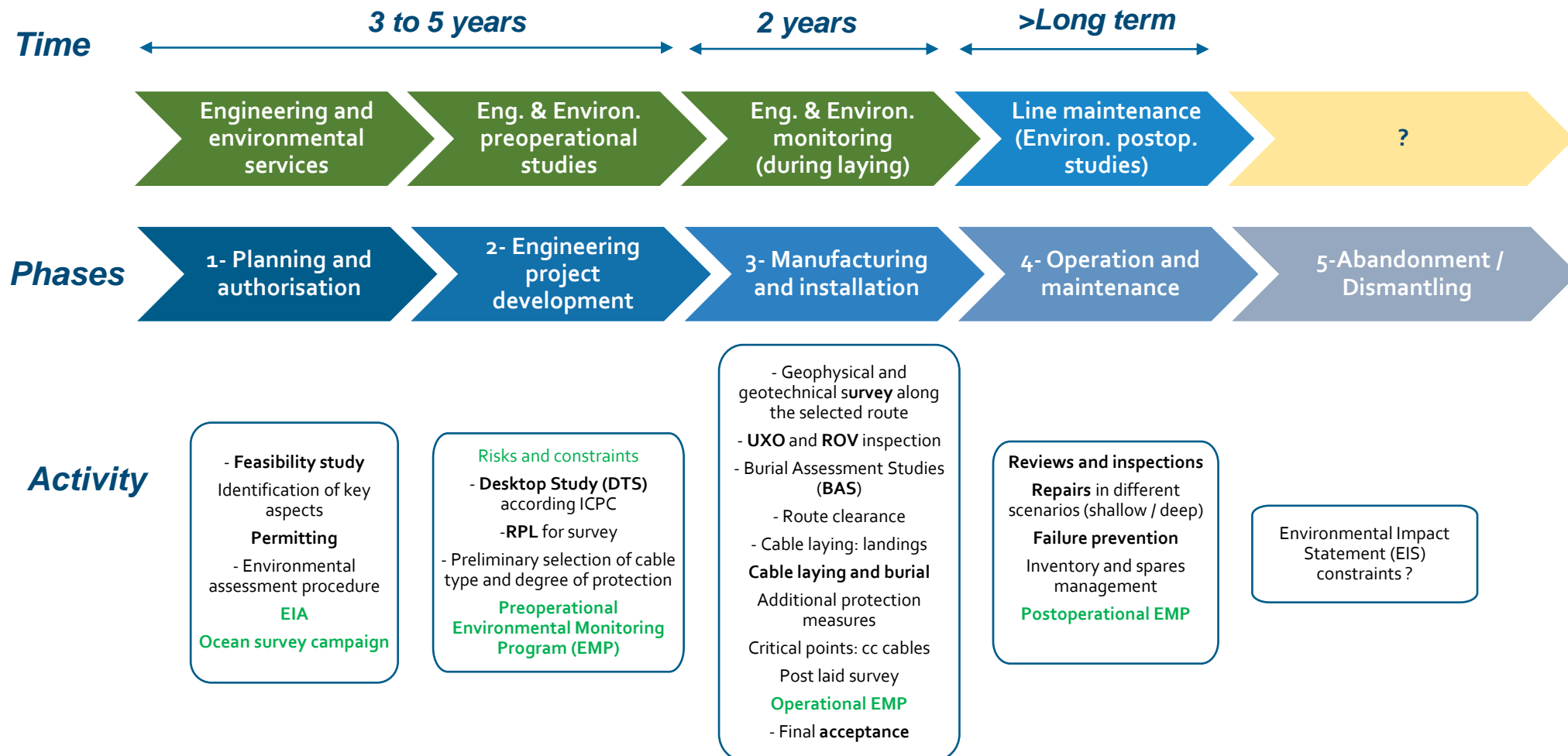
5

Customer and results oriented

- We work collaboratively with our clients to deliver successful projects in time and budget
- We have worked for top clients in key offshore sectors across multiple geographies

Wind offshore project stages

We are capable and well positioned to support the wind offshore business with a number of different services along the project's entire value chain



Tecnoambiente has performed a large number of similar environmental and survey projects offshore the Iberian peninsula...

Islas Baleares:

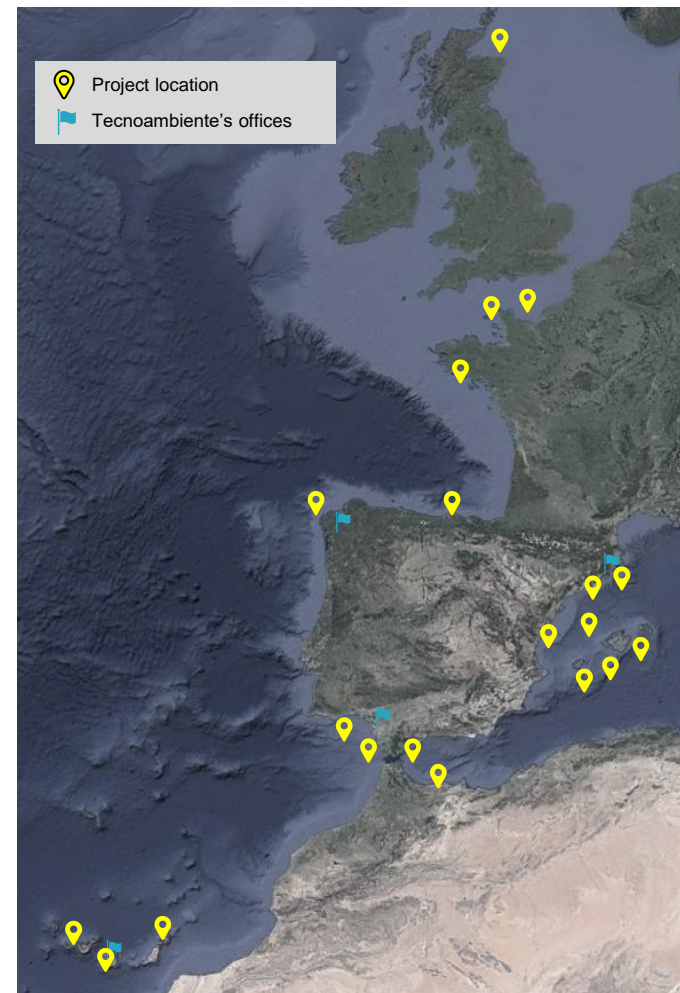
- 1) EIA Electrical interconnection project Peninsula – Balearic Islands. *REE*
- 2) EIA Electrical interconnection project Mallorca - Ibiza. *REE*
- 3) EIA Electrical interconnection project Mallorca - Menorca . *REE*.
- 4) EIA Electrical interconnection project Ibiza – Formentera. *REE*
- 5) DTS and route survey for submarine cable interconnection between Mallorca and Menorca islands. *NEXANS*

Catalonia and Valencian Community:

- 1) EIA for wind offshore project in Costa Brava
- 2) Site investigation. ZEFIR Test Station in the coast of Tarragona: *IREC. GAS NATURAL*.
- 3) Environmental Impact Study of the installation of an offshore wind farm in the Ebro Delta. *CAPITAL ENERGY*
- 4) Environmental Permitting of undersea communication cables in Barcelona. *AFR-IX*
- 5) Environmental Permitting of undersea communication cables in Barcelona. *SIPARTECH*
- 6) Environmental Impact Study of an offshore wind farm in Vinaròs. *CAPITAL ENERGY*
- 7) Study of fishing condition for a Wind energy project in the coast of Tarragona. *ACCIONA*
- 8) Environmental Permitting of the ORVAL Communications cable. *ALGÉRIE TELECOM*

Trafalgar and Strait of Gibraltar:

- 1) Trafalgar Sea. Environmental Impact Study in the Trafalgar Sea for an offshore windfarm. *EHN - ACCIONA ENERGÍA*
- 2) SEAMAR Project. Site survey of a marine area in Trafalgar. *NAVANTIA. CDTI*
- 3) CENIT EOLIA Project. Site survey of a marine area in Trafalgar. *ACCIONA. CDTI*
- 4) EIA Electrical interconnection project Cadiz – Ceuta. Deep sea study. *REE*.
- 5) Study of alternatives of onshore evacuation corridors from an offshore wind farm project in the coast of Cadiz. *EVELOP SPAIN*.
- 6) Investigation survey for 4 undersea cables between Spain and Morocco. *GEOTEAM*.
- 7) Study of the fishing activity in a Gulf of Cadiz area eligible for wind energy use. *IBERINCO*
- 8) Habitat cartography and environmental studies of two areas in Gulf of Cadiz. *IBERINCO*
- 9) Environmental Impact Study of the offshore wind farm project in Cape Trafalgar (Cadiz). *FRONTERWIND*



Relevant credentials

... as well as in both the Balearic and Canary Islands, and even in more challenging waters such as the North Sea

Galicia:

- 1) Site investigation for a feasibility project in a marine experimental facility (Cape Prior). *NORVENTO ENERXIA*
- 2) Environmental Impact Study of the Punta Langosteira wind farm. *AP A CORUÑA*

Cantabric Sea:

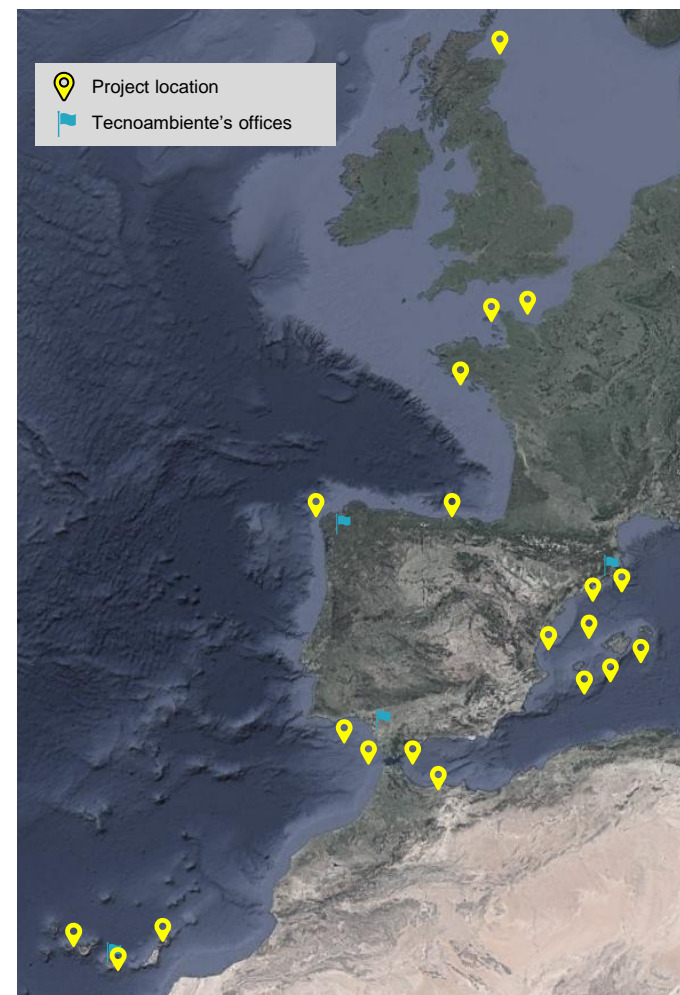
- 1) Site investigation for the HIPRWIND floating wind farm project. *ACCIONA ENERGÍA*
- 2) WETSITE underwater noise and bioacoustics project in the BIMEP area (moorings and records for >1 year). *CDTI*
- 3) Site investigation for an anchoring area and a corridor of buoys of power generation. *OCEAN POWER TECHNOLOGIES (OPT)*.
- 4) Site survey for anchoring purposes. *Marine Power Systems - TBD*

Canary Islands:

- 1) EIA Electrical interconnection project Lanzarote - Fuerteventura. *REE*
- 2) EIA Electrical interconnection project Tenerife - Gomera. 2015-2016. *REE*
- 3) EIA Electrical interconnection project Tenerife - Gomera 2020. *REE*.
- 4) Permitting of offshore wind farm projects. *ENEROCEAN*.

















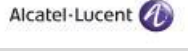






































Relevant international experience:

- 1) France: RTE & DGEC. Geophysical and Geotechnical site investigation in Brittany & Normandy
- 2) UK: Moray West Offshore Wind Farm (UK) Phase 2: Offshore Export Corridor Site Investigation. *EDPR*
- 3) UK: GJ1 Overlay Cable Project Offshore and Onshore UXO Survey and ROV investigation. *NKT*
- 4) Equatorial Guinea: *GITGE (2)*
- 5) Panamá: *NATURGY*



Main Clients

Our work culture and results orientation has allowed Tecnoambiente to shape an impressive client portfolio of key players across diverse sectors

Offshore energy and cables	Undersea cables energy & optical fiber	Onshore renewable energies	Oil & Gas offshore	R&D offshore Projects and Groups
            	         	          	              	  <p>Ocean Lider • Wetsite • Hiperwind • Interconecta Seamar • PICMAR • Cenit Eolia • Deepenser (in progress)</p> <p>Renewables Grid Initiative workshop – European Commission • Presentación proyectos cables submarinos MYTECO • CONAMA con REE</p>
				Consultoras internacionales
				   

Contact us

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