

INGENIERÍA Y DESARROLLO EUROPEO S.A.



OIL&GAS

Onshore
Offshore

Main Activity
90% exportación

OTHER Industries

Aeronautics
Concrete
Fertilizer
Paper
Combined Cycle

RENEWABLE ENERGIES

MARINE ENERGY
EOLIC & UNDIMOTRIZ

SOLAR (Thermic &
photovoltaic)

CO₂

HIDROGENE

BIOFUELS

NUCLEAR

TOPIC INTEREST:

OCEAN.2011-1: Multi-use off-shore platforms

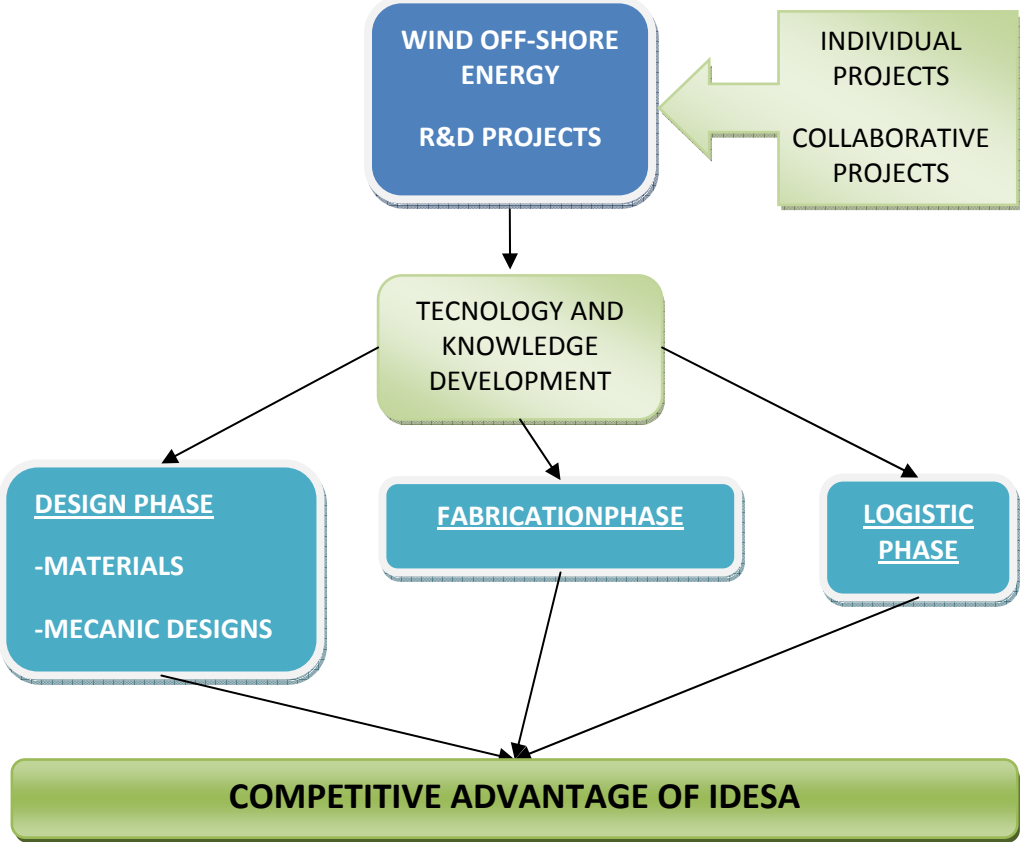


¿WHAT IS THE ROL OF IDESA ON EOLIC MARINE SECTOR?

IDESA is one of the 3-4 companies in the world with manufacturing facilities for marine foundations (eolic farms) EQUIPMENTS OF ANY DIMENSIONS → (Diameter, height and weight).

IDESA has experience working with the highest thickness steel, following official quality standards of manufacturing.

WORKSHOP sited on port. (transport costs minimized)



Major Infrastructures



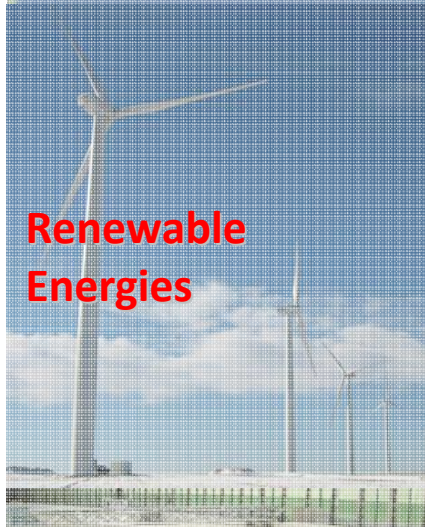
Logistics and transport



Social Participation



Renewable Energies



TYPSAgroup

DESIGNING A SUSTAINABLE MARITIME FUTURE

www.tyrsa.es

Marine Environment Characterization & Monitoring



Impacts Assessments

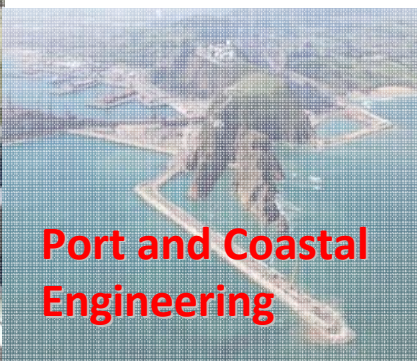


Laboratorio de Puertos

Marine and Maritime Research Laboratory



Port and Coastal Engineering



Marine facilities



Fisheries & Aquaculture





DEVELOPMENT OF INNOVATIVE SOLUTIONS FOR A MULTI-USE OFF-SHORE PLATFORM MULTI-USE WITH AN OPTIMAL AND SUSTAINABLE USE OF THE OCEANIC RESOURCES, LOOKING FOR THE INTEGRATION WITH THE MARINE ENVIRONMENT.

Multi-sectorial composition partnership and multi-disciplinary researches are required: companies specialized on different research lines

LOCATION WORKS

- Modeling and simulation tools for platform location

ANALYSIS AND STUDIES

- Sociologic and Environmental studies
- Feasibility studies

OFF-SHORE OPERATIONS

- Off-shore transports aspects
- Off-shore installation
- Off-shore operation, control, maintenance and decommissioning



ELECTRIC GENERATION

- Wind power energy
- Marine energy: Wave Power, Marine Current Power and others
- Biomass
- Solar Energy
- Microgeneration
- Storage
- Distribution and control systems

FINAL USES

- Aquaculture
- Fishing
- Desalination
- Maritime transport
- Ocean Measurement Lab
- Ecotourisme
- Energy grid-



OCEAN.2011-1: Multi-use off-shore platforms
The Ocean of tomorrow

**IDESA IS LEADING THE PROPOSAL PREPARATION AND LOOKS FOR THE MOST
APPROPRIATE CONSORTIUM PARTNERS**

RELEVANT INTERNATIONAL FIRMS ARE COMMITTED WITH THIS PROJECT

**Presence from: Spain, Portugal, UK,
Germany, Greece, Deutschland, Denmark,...**

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THANK YOU FOR YOUR ATTENTION