

EXERGIA Offshore Project Portfolio

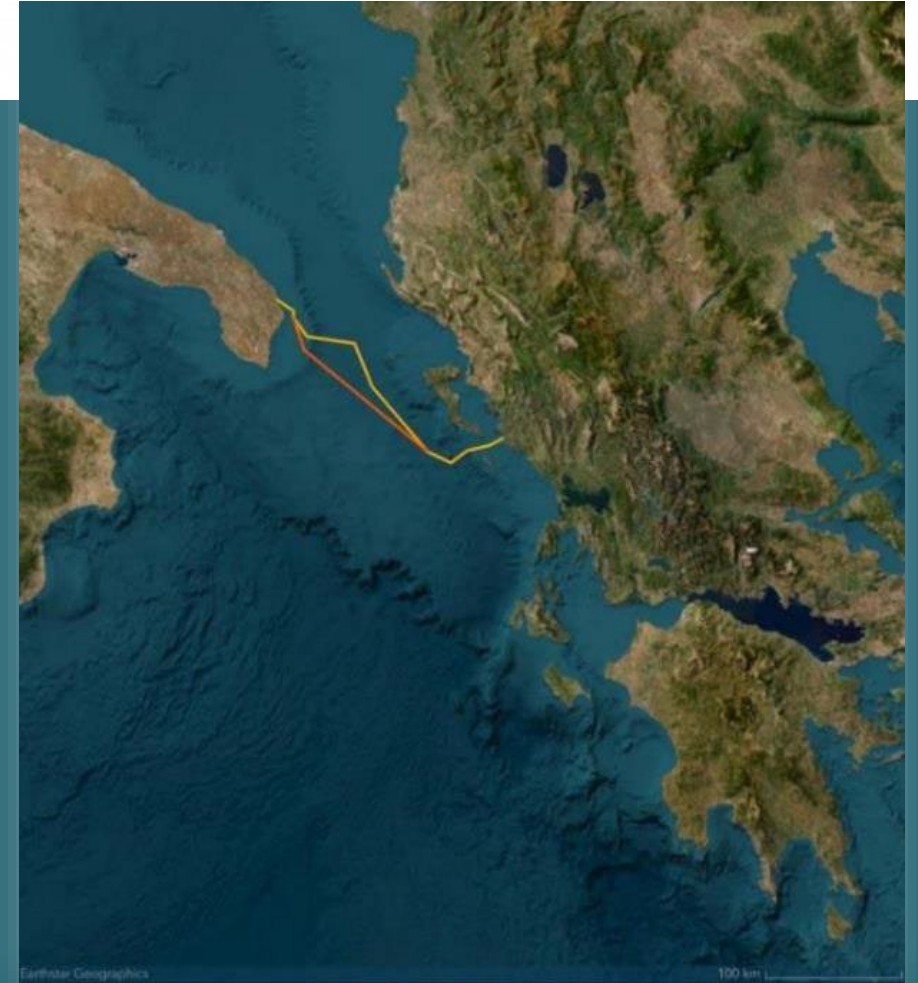
Period 2005- 2024

Preliminary and Environmental Impact Assessment (PEIA) Study for the offshore part of the Interconnector Greece – Italy (IGI) project

Client: E.ON Engineering/ Public Gas Corporation of Greece (DEPA)

Period of implementation: 2005- 2008

Scope: The IGI project was part of the pipeline planned to supply gas from the Caspian Sea to Western Europe. The project aimed at comparing, from an environmental point of view, a number of alternative offshore routes from the Greek to the Italian shore. Further to that, a PEIA was carried out for the approved route, with emphasis on the environmental impacts at the landfall points, the land uses and the marine flora and fauna. Support during the permitting process with the authorities was provided. In this project, EXERGIA worked with INTEC Engineering which had the responsibility for the technical part.

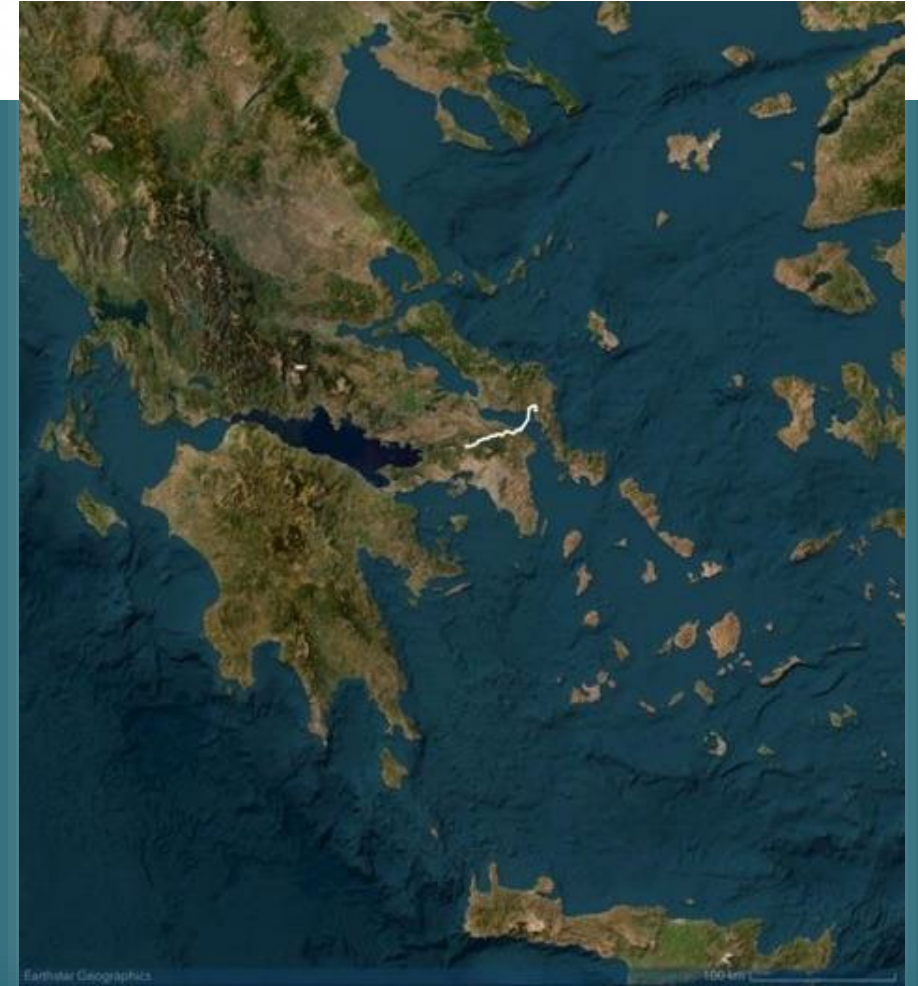


Environmental Impact Assessment (EIA) Study for offshore Natural Gas pipeline at Aliveri

Client: Intec Engineering B.V.

Period of implementation: 03/2006- 08/2009

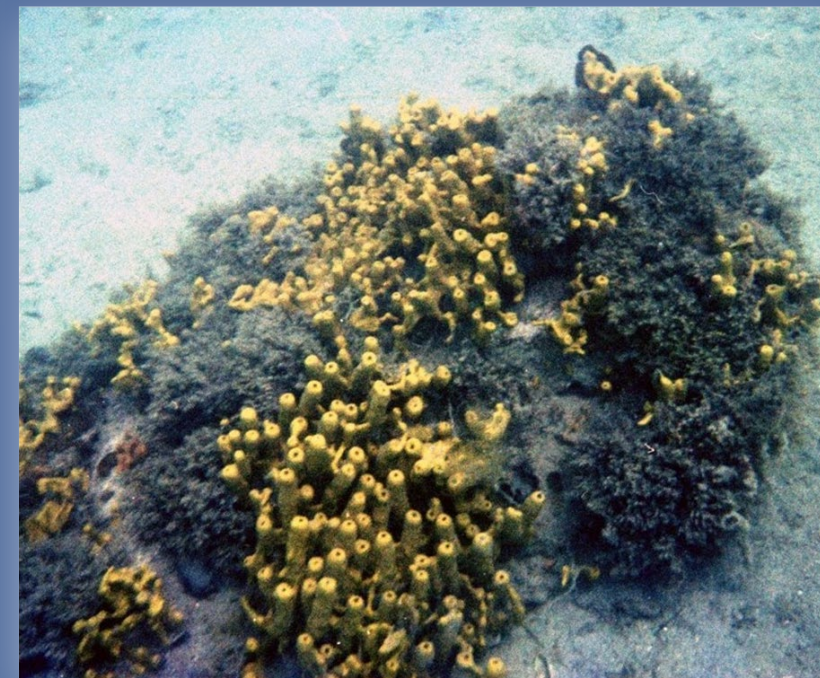
Scope: The project aimed at comparing a number of alternative offshore routes for the gas pipeline crossing the straits of Evoekos gulf in order to supply the Aliveri Power plant. Further to that, an EIA was carried out for the approved route, with emphasis on the environmental impacts at the landfall points, the land uses and the marine flora and fauna. Support was provided during the permitting process with the authorities. EXERGIA worked in partnership with INTEC Engineering which had the responsibility for the technical part.



Offshore Data



Seabed flora, field investigations

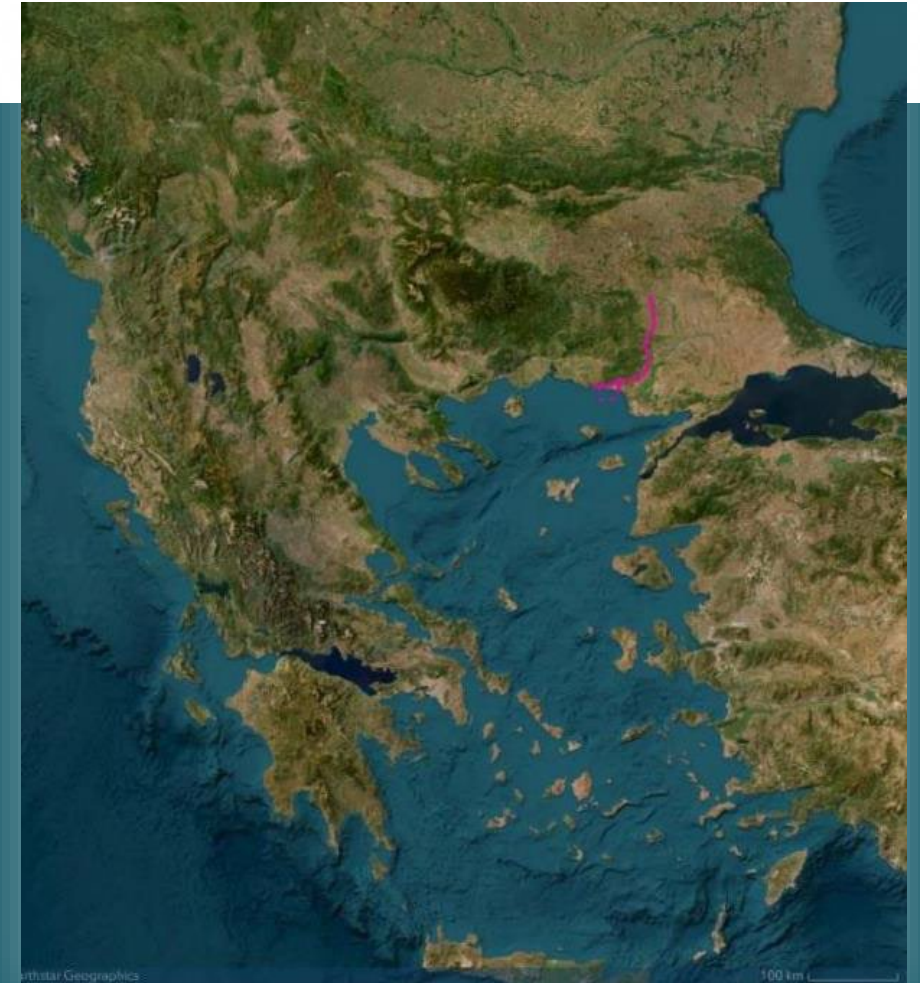


Study Update and FEED for the Burgas - Alexandroupolis Pipeline (BAP) Project

Client: ILF GmbH

Period of implementation: 10/2008- 11/2011

Scope: Preparation of the PEIA and the ESIA Studies, according to national legislation and IFI Requirements. The work involved extensive ecological, socioeconomic and cultural heritage surveys along the onshore and offshore sections, around the location of the tankfarm and along the route of the HV line connecting the tankfarm with the electricity grid. Appropriate assessments were carried out for the crossing of protected areas. The public consultation involved open hearings to all likely affected municipalities and communities while a series of meetings were also held with national and regional authorities. Support was provided to the Ministries of Environment of Greece and Bulgaria with the implementations of the provisions of Espoo Convention on transboundary impacts.



Basic Engineering Design, Environmental and Social Impact Assessment, Safety and Other Studies

Client: Hellenic Gas Transmission System Operator (DESFA) S.A.

Period of implementation: 12/2012- 09/2013

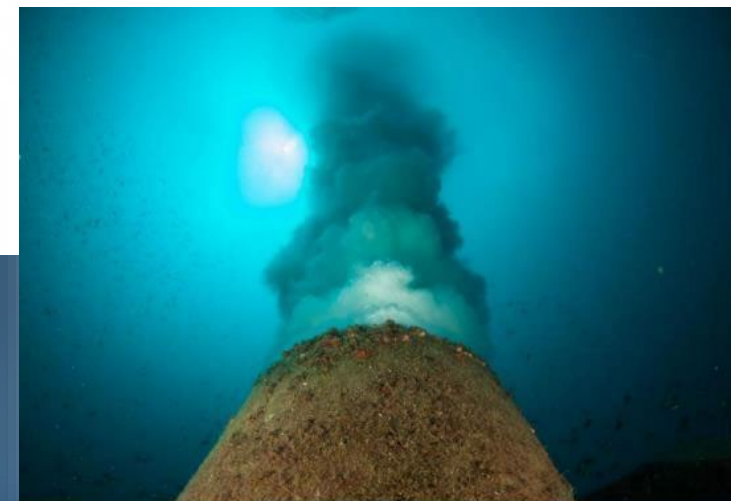
Scope: DESFA intended to expand for the second time Revithoussa's LNG terminal by enhancing the vaporization system's capacity, through the installation of an additional Open Rack Vaporizer (ORV) and the required auxiliary arrangements i.e. seawater, pumping and lines' system. The project comprised of the following: Elaboration of the H&S Plan and H&S File, Preparation of the Safety Study, including HAZOP and HAZID Studies, Preparation of the ESIA for the expansion of Revithoussa's LNG Terminal Cryogenic Facilities (2nd Upgrade). The ESIA study included detailed description of the marine environment and detailed assessment of impacts on the surrounding marine environment.



Survey Map of Revithoussa, with the control and impact assessed sites highlighted.

Offshore Data

Landfall site, field investigations



Impact zone cold water pipe

Participation in Eastmed Feasibility Study (onshore and offshore)

Client: INTECSEA/ IGI POSEIDON SA

Period of implementation: 05/2015- 05/2016

Scope: The East Med pipeline was at the stage of the feasibility study, with the aim to identify the best configuration from the technical, safety, environmental, authorization, operational and economic point of view. The project aimed at transferring gas resources from Cyprus (and potentially offshore south Greece) to the gas pipeline network towards western Europe.

EXERGIA's role has been to provide support to INTECSEA on the environmental, socioeconomic (including Stakeholder Engagement) and cultural heritage components of the East Med's alternatives route selection and route refinement process in Cyprus and Greece. For this, EXERGIA prepared two Environmental Reports (offshore and onshore parts).

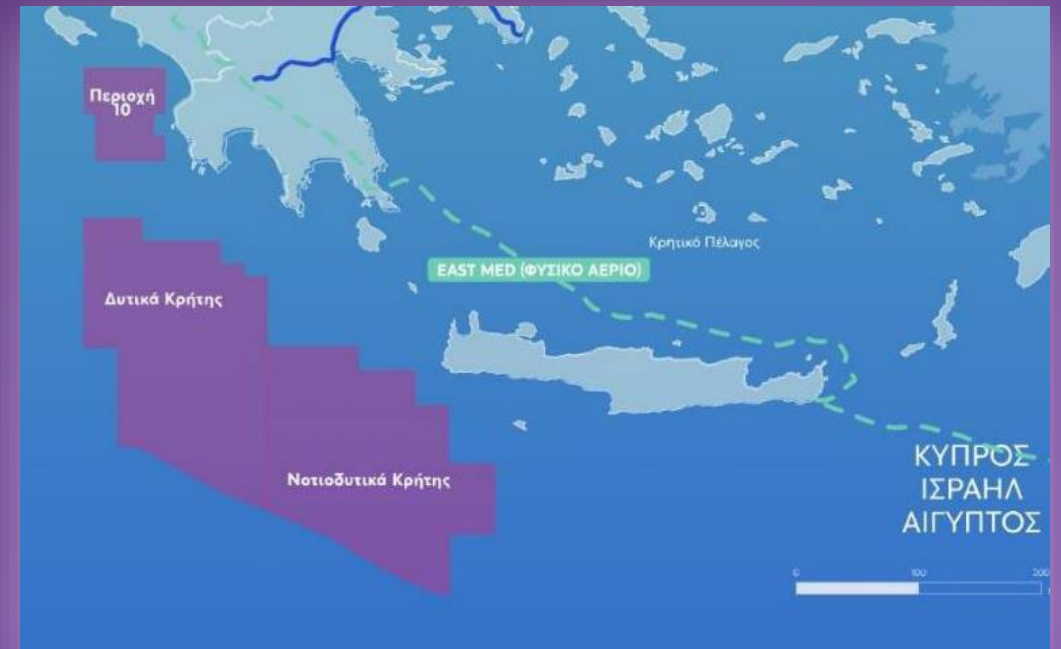


Environmental and Social Studies for offshore hydrocarbon exploration program in two offshore blocks in Greece

Client: WSP/ Golder Associates

Period of implementation: 05/2020- 02/2021

Scope: EXERGIA was involved in the conduction of two Environmental Baseline Reports (EBR), the preparation of two Environmental Action Plans (EAP) for two offshore blocks. Engagement of relevant stakeholders during the preparation of the EAP as per client's standards was a prerequisite in order to proceed with the exploration activities. The EAPs aim to detail and prove compliance of the Project with relevant applicable international environmental legislation, minimize the impact of the Project on critical elements of marine ecology, implement all necessary measures and methods for the preventions of marine pollution, limit disruptions to existing maritime activities.



Review of the Preliminary Draft Scoping Report for the Cypriot section of the East Med Pipeline

Client: Ministry of Agriculture, Rural Development and Environment, Cyprus

Period of implementation: 08/2021- 09/2021

Scope: Review of the Preliminary Draft Scoping Report concerning the Cypriot section of the East Med Pipeline Project. The Report included the following: request for additional information in case this was needed to be submitted by the developer; non-compliance with the applicable legislation, European and international standards and conventions; suggestions related to the addition of information and additional contents to the Draft Scoping Report, especially related to the description and criteria for alternative routes selection; suggestions related to the improvement of the objectivity of the information contained in the submitted document, the environmental performance of the project, environmental monitoring, etc.



Review of the Preliminary Draft Environmental Impact Assessment Study for the Cypriot section of the East Med Pipeline

Client: Ministry of Agriculture, Rural Development and
Environment, Cyprus

Period of implementation: 07/2022- 09/2022

Scope: Review of the Environmental Impact Assessment Study concerning the Cyprus section of the EastMed Pipeline Project. The Report included the following: request for additional information in case this was needed to be submitted by the developer; non-compliance with the applicable legislation, European and international standards and conventions; suggestions related to the addition of information and additional contents to the EIA Study; suggestions related to the improvement of the objectivity of the information contained in the submitted document, the environmental performance of the project, environmental monitoring, environmental protection, etc.



Preliminary Environmental Report Greece-Africa Power Interconnector (GAP)

Client: G.A.P. INTERCONNECTOR S.M.S.A.

Period of implementation: 03/2023- 08/2023

Scope: The Scope of Work comprised the Preliminary Environmental Report for the onshore and offshore parts of the submarine interconnection cables for GAP Interconnector project. The aim of the Preliminary Environmental Report was to identify and describe early in the project the potential presence and importance of sensitive or rare environmental features within the interconnection route study area; to consider project interaction with areas or receptors of potential conservation interest; to assess potential constraints that arise from the environmental findings; to inform the decision on the selection of the preferred interconnection route according to environmental criteria.

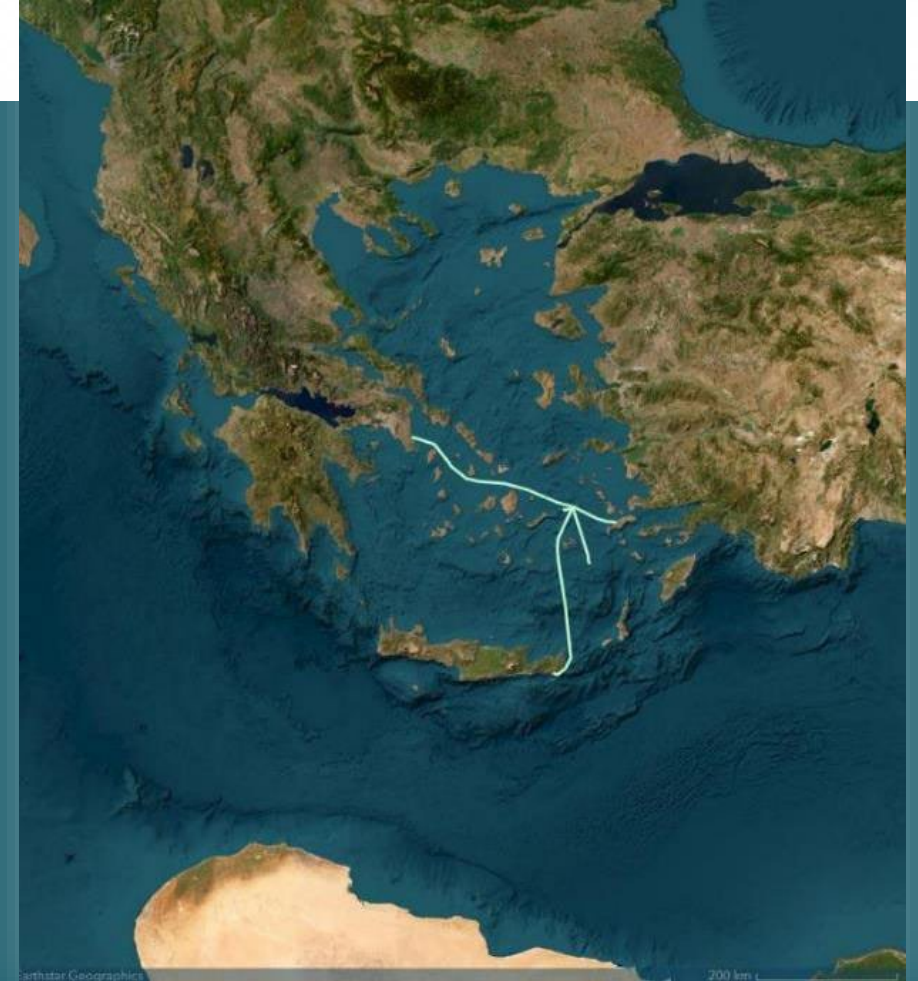


Preliminary Environmental Report Greece – Southern Aegean Interconnector (SAI)

Client: SAI S.M.S.A

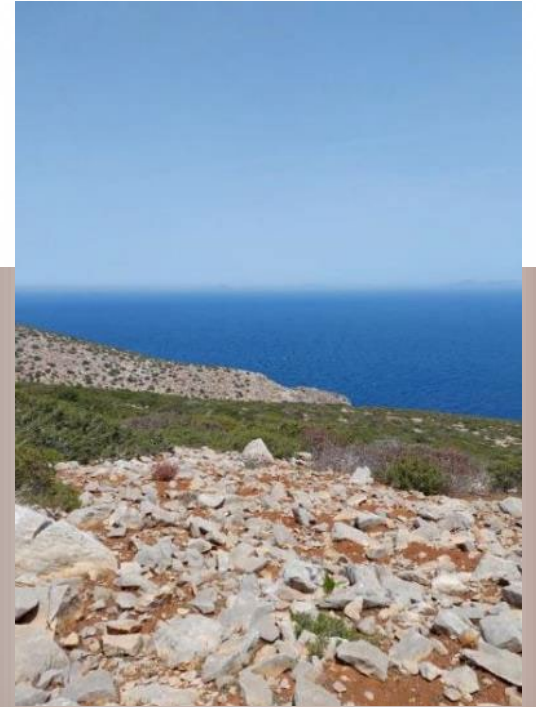
Period of implementation: 03/2023- 10/2023

Scope: The Scope of Work comprised the Preliminary Environmental Report for the onshore and offshore parts of the submarine interconnection cables for SAI Interconnector project. The aim of the Preliminary Environmental Report was to identify and describe early in the project the potential presence and importance of sensitive or rare environmental features within the interconnection route study area; to consider project interaction with areas or receptors of potential conservation interest; to assess potential constraints that arise from the environmental findings; to inform the decision on the selection of the preferred interconnection route according to environmental criteria.



Landfall Data

Landfall site, field investigations

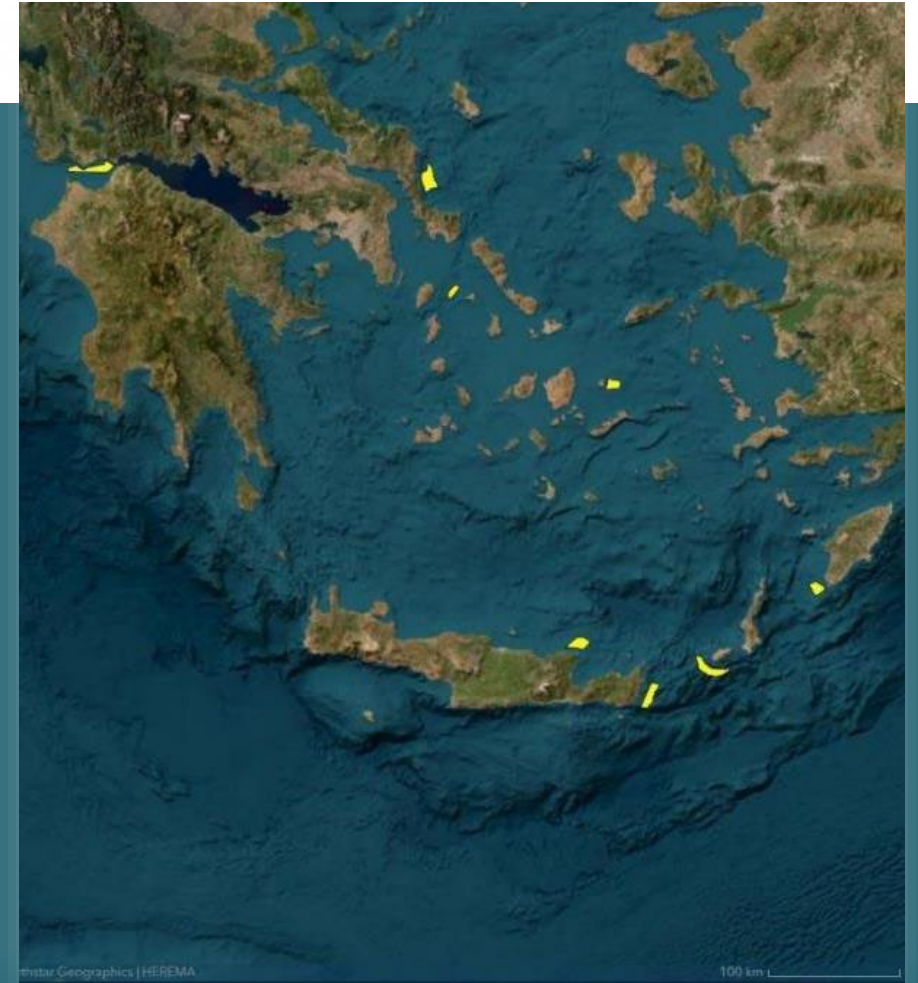


Offshore Wind Parks - Potential Sites Review

Client: ERM

Period of implementation: 05/2024- 09/2024

Scope: The aim of the Preliminary Environmental Report for the offshore Wind Parks in Aegean was to identify environmental, archaeological and social restrictions based on GIS data; to investigate all the relevant Stakeholders related to the examined plots; to provide any issues that may affect the feasibility of the preferred route or introduce significant constraints and constitute a basis for environmental impact assessment for later project stages. Moreover, to identify grid points to connect the OFW; to review grid enhancement plans from IPTO/ADMIE for the integration of additional generation capacity; to identify a preliminary route corridor with likely electrical transmission network connection point(s) and indicative export cable route(s), specifying any challenges that might apply.



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