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## Company Presentation

Last update: 21<sup>st</sup> June 2019

SUBMARINE **CABLE** EXPERTISE

**H2Offshore** 

Contract Management • Desk Studies • Vessels, Equipment & Companies Evaluation/Audit  
Surveys, Installation and Protection Works Supervision  
Route Engineering and Burial Assessment • Quality Controls • Reporting

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This Company Presentation file can be downloaded @

<http://www.h2offshore.com>

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## 1. Introduction

**H2OFFSHORE S.r.l.** is a Company established in 2008, owned and managed by qualified specialists with several years of experience in the offshore industry. We offer to our Clients a wide range of subsea consulting services as well as engineering, contract/project management and on-site supervision of submarine cables projects (telecommunications and power) and Oil&Gas activities.

The Company's owners are their managers. They have many years of experience in the fields relevant to the activities mentioned above. Optimal and professional relationships exist with leading technicians, as well as naval architects, mechanical engineers, geophysicists, surveyors, Navy officers, etc. Therefore, competent and wide solutions can satisfy many kinds of Clients requests.

**H2OFFSHORE S.r.l.** had two offices: The Head Office is located in Sicily, approx. 25km from Catania. The Branch office is located in Rome.

## 2. Services

### 2.1 Management and Consulting

- Contract and project management
- Issue and/or evaluation of technical specifications
- Desk studies
- Marine surveys
- Route engineering
- Installation and maintenance
- Burial activity
- ROV operations
- Vessel and equipment evaluation

### 2.2 Provision of Personnel

- Client Representative
- Superintendent
- Naval Engineer
- Survey Technician
- Burial Technician
- ROV Technician
- Software Engineer
- Electrician

### 3. Track record

#### 3.1 Main Clients

 <p><b>SAIPEM</b></p>	 <p><b>RED ELÉCTRICA DE ESPAÑA</b></p>	 <p><b>MedNautilus</b> Connecting The Med</p>	 <p><b>EuroAsia</b> interconnector</p>
 <p><b>TERNA ENERGY</b> G E K T E R N A G R O U P</p>		 <p><b>Tamares</b> Telecom A brand new way</p>	 <p><b>NSW</b> a General Cable company</p>
 <p><b>GAS</b></p>	 <p><b>ELETTRA</b> spa</p>	 <p><b>DIXON MARINE CONSULTING LIMITED</b> SUBSEA CONSULTANTS AND SPECIALIST SHIPBROKERS</p>	
 <p><b>DOLPHIN OFFSHORE ENTERPRISES [INDIA] LTD.</b> The Pursuit of Excellence</p>		 <p><b>SEA</b></p>	 <p><b>INGV</b></p>
 <p><b>GRIMALDI LINES</b></p>	 <p><b>WIOCC</b> ...Africa connected the <b>EASSy</b> way</p>	 <p><b>AXIOM</b></p>	 <p><b>AUGUSTA OFFSHORE</b></p>

## 3.2 History

### 2018-19

- QHSE implementation.
- *Ongoing from Apr-18* Consulting service for submarine telecommunication cable project in the Mediterranean Sea. Client: TAMARES TELECOM.
- *Ongoing from Feb-17*: Provision and Management of Software Engineers and Trenching Technicians for several offshore projects. Client SAIPEM SPA.
- *Ongoing from Jan-16*. Consultancy service for EuroAsia Interconnector Project, a submarine power cable connecting Israel-Cyprus-Crete-Greece. Client EUROASIA.

### 2017

- CONFIDENTIAL PROJECTS. Consultancy service for Burial Assessment Study for Offshore Wind Farm Export cables. North Sea. Client/Project: CONFIDENTIAL
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### 2016

- ST. GEORGE ISLAND WIND FARM SUBMARINE LINK PROJECT, Mediterranean Sea, Greece. Supervision, reporting and management on behalf of TERNA-ENERGY during repair works carried out by FULGOR and ASSODIVERS for the 150 kV HVAC submarine power cable (1x37km) between Lavrion and St. George Island, Greece. Vessels involved in the project: DPV ASTREA
- *November 2014 - Feb 2017*: MAIB PROJECT, Mediterranean Sea, Spain. Supervision, reporting and management of the entire project on behalf of REE during installation and protection works carried out by NEXANS and PRYSMIAN for the 145 kV HVAC submarine power cables (2x100km) between the Balearic Islands Palma de Mallorca and Ibiza (MAIB Project). Vessels involved in the project: C/S ATLANTI, C/S SKAGERRAK; DPV ELEKTRON; DPV ARGO-1; DPV ASTREA.
- CONFIDENTIAL PROJECTS. Burial Assessment Studies for Submarine Power Cable Projects.

### 2015

- ST. GEORGE ISLAND WIND FARM SUBMARINE LINK PROJECT, Mediterranean Sea, Greece. Supervision, reporting and management of the entire project on behalf of TERNA-ENERGY during installation and protection works carried out by FULGOR and ASSODIVERS for the 150 kV HVAC submarine power cable (1x37km) between Lavrion and St. George Island, Greece. Vessels involved in the project: C/S ATLANTI and DPV ASTREA

### 2014

- BURULLUS Ph 9a. Mediterranean Sea, Egypt. Trenching Superintendent on board DP BAURBON PEARL during trenching activities using FLEXJET II machine on Power/Data Subcable. Client: SAIPEM UK
- KIZOMBA PHASE 2 Project. Supervision assistance and management during carousels equipment mobilization (loading of equipment from SAIPEM Base in Rotterdam to M/V.FRAUKE) and during the spooling of umbilicals @ Oceaneering Base in Panama City, Florida, USA.
- Rental of Crawler Crane LIEBHERR LR 1160 (11 months) to be used on board the SWTB "BAUTINO" operating in Caspian Sea. Client SAIPEM SpA (Italy) Astrakhan Branch.

### 2013

- QHSE implementation.
- MONITA Project (Italy-Montenegro Power Cable). Route engineer on board R/V ODIN FINDER during preliminary survey. Approx 2x240km length from 150m to 1200m water depth engineered. Mediterranean Sea. Client: GAS/TERNA

- BIEN DONG II - South China Sea, Vietnam. Trenching Superintendent on board DP JAYA CRYSTAL during trenching and backfilling operations using FLEXJET II machine on Power/Data Subcable, 3" and 7" Flexibles, 6" Umbilicals and 12" Pipe. Client: SAIPEM UK
- ONGC - power to ESP Project, Indian Ocean. Project management and Offshore Superintendent during loading and installation of 12 power cables segments between platforms in Mumbai High field. Client DMC/DOEIL; Main Client ONGC.
- SJC PROJECT fiber-optic submarine cable, South China Sea. Client Rep on board M/V MIRAERO during PLIB operation of the SJC Segment 10 (Hong Kong - BU5) and 12 (Shantou-BU6). Client: SJC/AXIOM.

## **2012**

- SILPHIUM PROJECT (Libya-Greece) fiber-optic submarine cable. Mediterranean Sea. Client Rep on board C/S TELIRI during repair operation. Client: LITC/AXIOM.
- Safety (ISM Code) and Security (ISPS Code) consulting service for an Italian Ship Owner (Confidential).
- INGL PROJECT, Mediterranean Sea, Israel. Supervision on behalf of MEDNAUTILUS LTD (a submarine cables owner) for the activities related to the Rock Dumping operations carried out on the INGL Pipe in proximity of the cable crossing by INGL and its sub-contractors with vessel FFPV DPV TERTNES.
- EUROCARGO VENEZIA PROJECT, Mediterranean Sea, Italy. Supervision on behalf of ATLANTICA S.p.A. DI NAVIGAZIONE on board RV MINERVA UNO and DPV SENTINEL of the activities related to the identification and recovery operations of the cargo lost at sea by EUROCARGO VENEZIA vessel.
- CONFIDENTIAL PROJECT. Risk and Burial Assessment Study related to a Submarine Power Cable Project.

## **2011**

- TAMAR FIELD DEVELOPMENT PROJECT, Mediterranean Sea, Israel. Supervision services on behalf of MEDNAUTILUS LTD (a submarine cables owner) for the activities related to pipes installation works carried out in proximity of the cable crossings by NOBLE ENERGY and its sub-contractors with vessels EDT EAS, DPV CALAMITY JANE, DPV HIGHLAND ROVER and DPV HIGHLAND FORTRESS.
- COMETA PROJECT, Mediterranean Sea, Spain. Subcontractor to the consultancy team for the supervision, reporting and management of the entire project on behalf of REE during installation and protection works carried out by NEXANS and PRYSMIAN for the 250 kV HVDC submarine power cables (3x250km) between Palma de Mallorca and Sagunto. Vessels involved in the project: C/S GIULIO VERNE, C/S SKAGERRAK, DPV EDDA FJORD, DPV ARGO-1
- KASHAGAN FLEXIBLE EPC4 Campaign. Superintendents and personnel for SAIPEM for the Umbilicals and PFOC spooling activities from the manufacturing plant in Tonsberg, Norway to the transportation barge.
- MEDNAUTILUS submarine fibers optic cable project, Mediterranean Sea. Client Reps for MEDNAUTILUS LTD on board C/S TELIRI during the cable repair n.1 and related post burial operation, Aegean Sea, Greece.

## **2010**

- MEDNAUTILUS submarine fibers optic cable project, Mediterranean Sea. Client Rep for MEDNAUTILUS during the loading of cable on board C/S TELIRI and during the shore-end operations carried out at Istanbul (Turkey) and Vravron (Greece).
- DLS pipeline project, Black Sea, Russia. Offshore Project Management for SEA TRENCHING for the trenching operations carried out on board GSP BIGFOOT1.
- H2OFFSHORE provided to a Port Facility operating in the Port of Catania the Port Facility Security Officer (PFSO) and drew up the Port Facility Security Assessment and the Port Facility Security Plan as per ISPS Code.
- Consulting services for shore-end operation projects in the Mediterranean Sea.

- EASSY submarine fibers optic cable, Indian Ocean, Madagascar. Client Rep for WIOCC on board C/S CHAMAREL during the cable repair n.1.
- MEDNAUTILUS submarine fibers optic cable project. Client Rep for MEDNAUTILUS during offloading and coiling of cable at Catania Submarine Cable Depot.
- COLUMBUS-3 submarine fibers optic cable, Mediterranean Sea, Tunisian Waters. Offshore Superintendent for ELETTRA on board C/S CERTAMEN during repair n.7 operations.
- Cable Engineer training course for ELETTRA, EM SBoSS and freelance technicians.
- Offshore Superintendent on board C/S CERTAMEN during offshore operations.

## **2009**

- ITALIA-MONTENEGRO submarine power cable project, Mediterranean Sea, Italy. Route engineering on board R/V ODIN FINDER during preliminary survey carried out by GAS for TERNA.
- HAWK submarine fibers optic cable project, Mediterranean Sea. PLGR/RC operations via partnership with GAS. Client: ELETTRA; Vessel: R/V AURELIA.
- H2Offshore Safety Management System Manual as per ISM code approved by Registro Italiano Navale (RINA).
- Assistance for equipment maintenance and certification for GRIMALDI LINES.
- H2Offshore provided to an Italian vessel owner the Company Security Officer (CSO) and drew up the Ship Security Assessment and Ship Security Plan as per ISPS Code.
- MELITA submarine fibers optic cable project, Mediterranean Sea, Italy-Malta. Turnkey service for PLGR/RC operations. Client: NSW.

## **2008**

- Consultancy service for development of ROV technology. Client: SEA ENGINEERING.
- Consultancy for INGV (Italian Institute of Geophysics and Volcanology) for the construction of submarine structures.
- Client Representative for submarine cable lay/repair.
- Ship (OSV, Cable Ships, Research Vessels) Technical Audits.
- General Research and Development.
- Preparation of the Company documentation and manuals.
- Signature of agreements with vessel owners and other companies (ship brokers; ship agents; marine survey and positioning; commercial diving; personnel agencies; insurance; equipment suppliers; etc.).
- Drawing up and Drafting of Business plan.

## 4. QHSE

**H2OFFSHORE S.r.l.** has defined as its primary and essential goal the development and maintenance of the highest level of the QHSE Policies.

The QHSE Policy shall always be compliance with current national and international regulations and updated when needed or deemed necessary.

## 5. Contacts

### **H2Offshore Head Office**

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