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**Company Presentation and Reference List**

Last update: 22<sup>nd</sup> June 2021

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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## 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 for submarine cables projects (telecommunications and power) and for 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**

			
			
			
			
			

### 3.2 History

#### Projects ongoing

- QHSE implementation.
- Ongoing from Apr-21: Provision of Cable Specialist/Route Engineer during Desk Top Study and Survey works for **Italy-Tunisia Interconnector Project** (HVDC cable). Client: RINA/ELMED.
- Ongoing from Oct-20: Consultancy services (Supervision and Management support) during the execution of the Survey works carried out by NEXANS and PRYSMIAN with vessels IEVOLI IVORY and NORMAND PACIFIC + Review and evaluation of all the technical documents relevant to the **Attica-Crete Project** (2xHVDC + 2xFO cables). Aegean Sea, Greece. Client: ARIADNE.
- Ongoing from Feb-17: Provision of Engineers and Technicians for trenching operations and other offshore activities. Worldwide. Client: SAIPEM SPA.

#### Projects completed 2008-2021

Period	Client	Project	Work Description
Feb/Mar 2021	TERNA ENERGY GR	LAVRION-KAFIREAS HVAC Cable	Provision of Client Representative and Consultancy service during geophysical survey. Aegean Sea, Greece.
May 2019/ July 2020	TIS	BLUE RAMAN (Ex-INFINITY, BLUEMED) FO Cable	Consultancy Services and Cable Route Study (approx. 15,000km routes studied and engineered). Mediterranean, Red and Arabian Seas.
Nov 2019/ May 2020	REE	MAME (Mallorca-Menorca) HVAC Cable	Consultancy services (Supervision and Management support) during installation, protection and repair works carried out by NEXANS for the HVAC cable (1x40km) between Palma de Mallorca and Menorca. Vessels involved in the project: POLAR KING, SKAGERRAK. Balearic Islands, Mediterranean Sea, Spain,
Apr 2018/ May 2020	TAMARES	TAMARES FO Cable	Consulting service for the feasibility and engineering studies relevant to the new configuration of the existing submarine FO cable due to the new installation of pipe and platform on its proximity. East Mediterranean Sea.
Sept 2019	TERNA ENERGY GR	ST. GEORGE ISLAND WIND FARM SUBMARINE LINK PROJECT HVAC Cable	Provision of Client Rep during the warranty survey carried out by ASSO.SUBSEA with Vessels ARIADNE and HYDNA along the 150 kV HVAC cable (1x37km) between Lavrion and St. George Island. Aegean Sea, Greece.
2016-2018	EUROASIA	EUROASIA (Israel-Cyprus-Crete-Attica) 2xHVDC Cables	Consultancy Services: Supervision during Reconnaissance Survey, Route Engineering, Crossings check and management, Issue of Technical Specs for Detailed Survey, Audit and Evaluation of Tenders for Detailed Survey. Mediterranean Sea.
Aug 2017	Confidential	-	Consultancy service for Burial Assessment Study for Offshore Wind Farm. North Sea
Sept/Oct 2016	TERNA ENERGY GR	ST. GEORGE ISLAND WIND FARM SUBMARINE LINK PROJECT HVAC Cable	Consultancy services (Supervision and Management support) during repair works carried out by FULGOR and ASSODIVERS for the 150 kV HVAC cable (1x37km) between Lavrion and St. George Island, Greece. Vessel involved in the project: ASTREA. Aegean Sea, Greece.

Nov 2016/ Feb 2017	REE	MAIB (Mallorca-Ibiza) 2xHVAC Cable	Consultancy services (Supervision and Management support) during installation and protection works carried out by NEXANS and PRYSMIAN for the HVAC cables (2x100km) between Palma de Mallorca and Ibiza. Vessels involved in the project: ATLANTI, SKAGERRAK; ELEKTRON; ARGO-1; ASTREA. Balearic Islands, Mediterranean Sea, Spain,
Feb/Apr 2016	Confidential	-	Burial Assessment Study for Submarine Power Cables protection
Sept/Dec 2015	TERNAENERGY GR	ST. GEORGE ISLANDWIND FARMSUBMARINE LINK PROJECTHVAC Cable	Consultancy services (Supervision and Management support) during the installation and protection works carried out by FULGOR and ASSODIVERS for the 150 kV HVAC cable (1x37km) between Lavrion and St. George Island. Vessels involved in the project: ATLANTI and ASTREA. Aegean Sea, Greece
Oct 2014	SAIPEM UK	BURULLUS ph.9a	Provision of Trenching Superintendent on board BAURBON PEARL during trenching activities using FLEXJET II machine on Power/Data Subcable. Mediterranean Sea, Egypt.
Jul/Aug 2014	SAIPEM	KIZOMBA Ph.2	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.
Feb/Dec 2014	SAIPEM	BAUTINO-1 Barge	Rental of Crawler Crane LIEBHERR LR 1160 to be used on board the SWTB BAUTINO-1 operating in Caspian Sea.
Nov 2012/ Jan 2014	GAS TERNA	MONITA (Montenegro-Italy) 2xHVDC Cables	Provision of Route Engineer/Cable Specialist on board R/V ODIN FINDER during preliminary survey. Approx 2x240km length from 150m to 1200m water depth engineered. Adriatic Sea.
Jun/Jul 2013	SAIPEM UK	BIEN DONG	Provision of Trenching Superintendent on board JAYA CRYSTAL during trenching and backfilling operations using FLEXJET II machine on Power/Data Subcable, 3" and 7" Flexibles, 6" Umbilicals and 12" Pipe. South China Sea, Vietnam
Jul 2012/ Apr 2013	DCM DOEIL	ONGC Power to ESP Power cables	Project management and Provision of Offshore Superintendent during loading and installation of 12 power cables between platforms in Mumbai High field. Main Client ONGC. Indian Ocean
Jan/Feb 2013	SJC AXIOM	SJC FO Cable	Provision of Client Rep on board MIRAERO during PLIB operation of the SJC Segment 10 (Hong Kong - BU5) and 12 (Shantou-BU6). South China Sea.
Oct 2012	LYCT AXIOM	SHILPIUM (Libya-Greece) FO Cable	Provision of Client Rep on board TELIRI during repair operation. Mediterranean Sea.
2012-2018	Confidential	-	Safety (ISM Code) and Security (ISPS Code) consulting service for an Italian Ship Owner
July 2012	MEDNAUTILUS	INGL FO Cable crossed by Pipeline	Provision of Supervisor on behalf of the FO cable owner during the activities related to the Rock Dumping operations carried out on the crossing position with INGL Pipe. East Mediterranean Sea, Israel.

Feb/Jun 2012	ATLANTICA DI NAVIGAZIONE	EUROCARGO VENEZIA	Provision of Client Rep on board MINERVA UNO and SENTINEL during the identification and the recovery operations of the hazardous cargo lost at sea by EUROCARGO VENEZIA vessel. Tyrrhenian Sea, Italy.
Feb 2012	Confidential	-	Risk and Burial Assessment Studies for Submarine Power Cables Project.
Jun/Dec 2011	MEDNAUTILUS	TAMAR FO Cable crossed by Pipeline	Provision of Supervisor on behalf of the FO cable owner during the TAMAR pipes installation works carried out on the crossing locations. East Mediterranean Sea, Israel.
Jan/Dec 2011	REE	COMETA (ROMULO) (Mallorca-Sagunto) 3xHVDC Cables	Consultancy services (Supervision and Management support) during installation and protection works carried out by NEXANS and PRYSMIAN for the HVDC cables (3x240km) between Palma de Mallorca and Ibiza. Vessels involved in the project: SKAGERRAK, GIULIO VERNE, EDDA FJORD and ARGO-1. Balearic Islands, Mediterranean Sea, Spain,
Apr 2011	SAIPEM	KASHAGANFLEXIBLE EPC4	Provision of Superintendents and Technicians during the Umbilicals and PFOC spooling activities from the manufacturing plant in Tonsberg, Norway to the transportation barge.
Dec 2010	MEDNAUTILUS AXIOM	MEDNAUTILUS FO Cable	Provision of Client Reps on board TELIRI during the cable repair n.1 and related post burial operation. Aegean Sea, Greece.
Dec 2010	MEDNAUTILUS AXIOM	MEDNAUTILUS FO Cable	Provision of Client Rep during the loading of cable on board TELIRI and the shore-end operations carried out at Istanbul, Turkey and at Vravron, Greece. Mediterranean Sea.
Oct/Nov 2010	SEA TRENCHING	DSL Pipeline	Provision of Trenching Offshore Manager for the trenching operations carried out on board GSP BIGFOOT1. Black Sea, Russia.
Sept /Dec 2010	Confidential	-	Provision of Port Facility Security Officer (PFSO) and drew up the Port Facility Security Assessment and the Port Facility Security Plan as per ISPS Code for a Port Facility operating in the Port of Catania.
Aug 2010	WIOCC AXIOM	EASSY FO Cable	Provision of Client Rep on board C/S CHAMAREL during the repair operations. Indian Ocean, Madagascar.
July 2010	MEDNAUTILUS AXIOM	MEDNAUTILUS FO Cable	Provision of Client Rep during offloading and coiling of cable at Catania Submarine Cable Depot.
July 2010	ELETTRA	COLUMBUS-3 FO Cable	Provision of Offshore Superintendent on board C/S CERTAMEN during repair n.7 operations. Tunisian Waters, Mediterranean Sea.
Mar 2010	ELETTRA	-	Teachers for Cable Engineer training course.
Feb 2010	ELETTRA	Various	Provision of Offshore Superintendent on board CERTAMEN during the recovering of Out of Service cables. Mediterranean Sea.
Aug 2009	GAS TERNA	MONITA (Montenegro-Italy) 2xHVDC Cables	Provision of Route Engineer/Cable Specialist on board ODIN FINDER during the preliminary survey of the firsts 12Nm off-shore Italy. Adriatic Sea.
Jul/Sept 2009	ELETTRA	HAWK FO Cable	Pre-Lay Grapnel Run and Route Clearance operations (turn-key service via partnership with GAS). Vessel: AURELIA. Mediterranean Sea.

April 2009	GRIMALDI	-	Assistance for equipment maintenance and certification.
Mar 2009	NSW	MELITA (Malta-Sicily) FO Cable	Pre-Lay Grapnel Run and Route Clearance operations. (turn-key services) . Vessel: F.LLI FAZIO. Sicily Strait, Mediterranean Sea.
2009	confidential	-	Company Security Officer (CSO) and drew up the Ship Security Assessment and Ship Security Plan as per ISPS Code for an Italian Vessel Owner.
2008	SEA ENGINEERING	-	Consultancy service for development of ROV technology.
2008	INGV	-	Consultancy service for the construction of submarine equipment structures.
2008	Company Set-up (Est. 2008)	-	Drawing up and Drafting of Business plan; Preparation of the Company documentation and manuals; Signature of agreements with other Companies (ship brokers; ship agents; survey companies, personnel agencies; insurance; equipment suppliers; etc.).

## 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

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