

Personal Details

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Nationality: Italy

Date of Birth: 31 / 01 / 73

Languages: Italian, English, French

Computer Skills:

Basic and Advanced Computer Skills.

(GIMP, AutoCad, Graphic Design, Excel, Internet, Installation, Microsoft Office, Word and Publisher, Web Design).

Formal Qualifications:

- Mechanical and Hydraulic IFP Fra/Ita
- ALS BTEC 3/GCE General Certificate of Education Advanced Levels, Plymouth UK
- Marine Engineer UK
- Mechanical Engineering/Edexcel BTEC 5 (HND) Approved/SVQ/NVQ level 4, Cert HE Plymouth UK
- Mechanical Engineering/Edexcel BTEC 6 Approved NVQ level 6

Medical qualification

- Emergency Medical Tech - Remote Care 2005 UK
- First Aid At Work + Oxygen - AED 2005 UK
- Diver Medic Tech (Advanced Life Support) UK

Training and Education certifications

- DIA HSSE Trainer (Oil&Gas, Civil Engineering, Technology) 2010 Italy
- DIA Medical Trainer 2011 Italy
- HSE Trainer/Formatore della Salute e Sicurezza - ANCORS 2019 Italy
- Formateur professionnel de organisme de formation/Vocational Training Trainer: Prestataire de Formation France (Région Provence-Alpes-Cote-D'Azur) 2020
- Interdive UK (Diver Medic Technician) Trainer 2020
- Interdive UK ROV Trainer

Security certifications:

- Security Risk Assessment and Management 2011
- France
- Energy Security Strategy Response 2009 France
- Ship Security Officer 2010 France
- Cyber attacks and investigating 2010 France
- UXO Risk Assessment and Management Italy 2011
- Ship Security and Anti-Piracy 2012 France
- Cyber Security and Forensics 2012 France
- Sensitive Infrastructure and Facilities Security 2012
- Security Management and Accident Investigation France 2015
- Criminal Investigation France 2015
- Awareness Security 2018

Health and Safety Certificates

- Health and Safety at work Trainer (D.lgs 81/08) Italy
- RSPP (Responsabile Servizio Prevenzione Protezione) equivalent HSE Manager
- RSPP - SP 2 (Construction and Mining Extractions)
- HSE International - HSE Manager France
- MIIRSM (Member – International Institute of Risk and Safety Management) UK
- Diving Safety Adviser- Offshore Italy/France 2009
- DIA Oil&Gas advanced safety training 2022
- Maersk Offshore Drilling Safety 2012 UK
- TOTAL Offshore Drilling Safety 2012 UK
- MIST - Minimum Industry Safety Training OPITO Approved 2012 UK
- Client Worksite Representative (Diving and ROV) 2019 France

Technician certifications

- Air Diver - Surface Air Supply (1996) Italy
- ALST (Hyperbaric Habitat) - Mechanical Tech 2003 UK
- Mechanical Diving Technician - 2006 France
- Dive Supervisor - 2018 Croatia
- ROV Pilot Tech 1998 UK
- Remotely Controlled Vehicles and Autonomous Systems Pilot 2006/2012 France

HSE Officer and Manager - From 2006

Below are some of the tasks I performed.

Critical Infrastructures (Ports, Oil&Gas, Renewable Energy, Military Installations)- Incidents/accidents management investigation activities; Implementation of emergency procedures and evacuation plans; Risk Assessment and Job Safety Analysis during construction and confined space; daily inspections and audits on worksite and yards; reinforcement of preventive measures to reduce incidents/accidents and near miss, on worksite; Pollution control and monitoring di VOC on worksite; Ascertain and monitor the level of environmental pollution in work sites; Liaison officer between state and local agencies, company; Hazards and Operability Analysis; HAZMAT Management (NDT equipment), Chemical HAZCOM/SDS chemical hazardous; Environmental risks and pollution prevention; Coordinate the hazardous waste removal tasks; survey and evaluation of the soil contaminated by explosives and chemicals; Hazardous Identification (HAZID) of metal debris; Operability risk analysis for steel structures used underground; etc.

Security Officer and Manager From 2006

Below are some of the tasks I performed.

Development of threat and risk assessment to diving personnel; Conduct port facility security assessment; daily inspections and audits on vessels and yards; conduct the risk assessment to identify potential emergency scenarios; manage and treat potential security risks and threats in sensitive facilities; collaboration with the legal department for incident response; Security survey to identify weaknesses and assess vulnerabilities; travel risk management; protect company's assets from damage and theft; implementation of physical barriers and electronic detection; plan and coordinate security tasks in indoor facilities; Hostile environment security risk analysis; analyze emerging security issues and threats (unknown threats in aquatic environments, unidentified objects); Assess the effectiveness and efficiency of current systems and security procedures (energy and defence installations near water environment); UXO risk management; explosives and chemical substances assessment; etc.

Business Development Manager/Director (Technologies and Equipment) From 2008

Below are some of the tasks I performed.

Implementation of market strategy (incidents/accidents reconstruction for critical infrastructures and Oil&Gas); Business Development Director of technologies and equipment magazine; Business Development Director of organization involved in workplace safety and environmental protection; Development of strategic initiatives to project implementation; Direct and manage the entire business development and sales process; establish international alliances and develop new partnerships; Build long term relationships with new and existing clients; Evaluation of any market changes; Develop strategic alliances to carry out research projects; Monitor and evaluate plans, addressing risks; Project data collection, evaluation of new projects, optimization of the portfolio and company resources; etc.

HSSE Documents

Below are some of the documents I realized.

Guidelines, Procedures, Codes of Practice, Plans - Preparation of terminal and port emergency response plans and procedures; Procedures and manuals realization for work machine and remotely controlled vehicles; Sites safety and security plans for risk of explosion and presence of chemicals; Development and implementation of integrated safety and security policies; Fire and emergency and Environmental plan; Manage and implement the ship's QSMs, Plan and perform ISM/ISPS and Marine Operational internal audit on board the vessel; Development of guidelines for road vehicles used for the transport of dangerous goods; implementation of a special evacuation and medical emergency procedure; Improvement of communication procedures; Implementation and maintenance of the ship security plan (SSP); improvement of the Safety Data Sheet (for all hazardous materials); Development of integrated Safety and Security procedures; MOC; JSA; HAZCOM; HAZWOPER; HAZOP; Emergency Action Plans (EAPs); HAZID; HAZMAT; COMAH; SDS manual; SMS; Security and Safety RA; PTW; DVR; DVRI; RAMS; Site safety management; Site safety plan; Project Execution Plan (PEP; Accident and injury prevention and reduction plans; Port Facility Security Assessment; Site Security Plan; Ship Security and Anti-Piracy measure; Ship Security Plan; Physical Security Assessment; Ship Security Plan; Critical Infrastructure Protection Plan; MEDEVAC and CASEVAC; Working Safely in Confined Space; Safe Management of Remotely Controlled Vehicles; Critical Infrastructure security Through Unmanned Systems; Development of appropriate procedures for the UXO investigation; cyber attacks and accidents program; development of plans for the protection of underwater pipelines against sabotage; developing of an effective workplace violence prevention plan; etc.

Unmanned Systems and Robots Pilot/Supervisor/SubEng From 1998

Below are some of the tasks I performed.

Marine and Underwater (UROV, USV, AUV) - Land and Aerial (UGV, Quadruped, UAV) - Hybrid

Tasks - Survey and Inspection in energy and critical infrastructures; Construction Assistant in Oil&Gas and Renewable energy; Removal Debris in energy sector; Manipulation and demolition in Oil&Gas; Security Surveillance and Protection in maritime sector; surveillance of coasts and ecosystems; Border protection; Fisheries control; Anti-piracy; Oil pollution; etc.

Medical Safety Manager From 2010

Below are some of the tasks I performed.

Managing incident reporting systems and conducting root cause analyses; Manage and improve Medical Safety Management System (MSMS); Investigate and respond to reported incidents and take appropriate safety measure consequently; etc.

Educational Material

Textbooks - EMT level 2; DMT; First At Work; First Aid At Sea; Commercial Diving and Unmanned Systems; Safe Use of Demolition Tools; HSE International Manager; Safety Accident Management and Investigation; Client Worksite Representative; Risk and Emergency Management; Work Safely in Hyperbaric and Saturation Diving Systems; safe use of unmanned vehicles; etc.

Courses - Safe Use of Robots and Exoskeleton (courses design for government body); Sea Rescue Techniques for Airborne Personnel (course design for government bodies); HSE Manager and Officers; Integrated Safety and Security at work (course for OHS institution); Commercial Diving and Unmanned Vehicles (energy course design for training centres); safe use of the diving equipment (course design for defense personnel); Safe use of Mechanical and Electrical Tools (courses design for civil engineering and construction sector); firefighting in sensitive structures (courses design for energy training centres); UXO Survey Technologies (courses design for marine construction sector); Unmanned Systems for Hostile Areas Inspection (courses design for energy sector); Safe Use of Vehicles on Work Sites (courses design for training centres); etc.

Teaching Methods

Multi Teacher Class Room Educational System (MTCRES) and Multi Teacher Work Shop Educational System (MTWSES), 2012; 75/25% teaching system 2019.

Trainer and Instructor from 2000

I have worked as a trainer and course director in the HSSE, Commercial and Scientific Diving, Unmanned and Robots/exoskeleton field on behalf of private training centres, defense and government institutions.

Projects

The names of companies or institutions for which I worked are not indicated. For more details contact me.

Training

Safe Training Program during the Pandemic period (Government Institution); University Program on the use of Robotic systems; Safe Working in Water - Rescue Swimmers (Government Institution); Unmanned systems and Autonomous Vehicles Safe Use for HSE Association; Deployment of unmanned systems in hostile environments (Energy companies); Stay and work safely and securely in Underwater Resorts (Security company); Scene management and scene assessment in dangerous environments and war zones (Government Contractor); Integrated program to train workers in the safe use of robotic technologies, exoskeletons, IoT, Unmanned Vehicles on behalf of a public body OHS, etc.

Equipment and systems

Unmanned Systems - A/USV Vehicles ([Alligator 2.1](#), [Intercexplor](#), [IIS-UV](#), [Working Boat System](#)) 2009/2012; ROV Cleaner ([RCV DDVC](#)), 2014; Hybrid System ([Manta US ARV](#)), 2009; Underwater MEDEVAC Sytem, 2022; A-ROV (Autonomous Remotely Operated Vehicle), 2010; Anty UUS for Diving Work; Underwater LCD Display for ROV, 2015; USV Personal Tool, 2021.

Diving Equipment - Fins for Raiders, 2000; Buoyancy Compensating Devices (BCD) designed in 1998 and improved in 2020 (Smart BCD System).

Standards and Laws

Draft standards and laws about marine and underwater robots and humans (hazards and risks for humans, respect, duties and rights); Commercial Diving Standards (integrated safety and security at work), 2011.

Companies and Clients

TOTAL, ENI, Saipem, CNOOC, Iranian Oil Company, BP, RTE, Prysmian, 50 Hertz, Sub Sea 7, Oceaneering, Fugro, Hallin Marine, CNS Diving, Rana Diving, Micoperi, Res Marine, CNR Canadian, ISS, Ensco (Valaris), Maersk Offshore, Schlumberger, Orange, Eco-Line France, CS srl, OMG, Ki Tehno, ANCORS, DIA, JP Mag.

Consultant, Author, Speaker

Fairs - UDT Undersea Defense Technology; Sea Future; World Festival of Underwater Pictures; Monaco Yacht Show; Genoa International Boat Show; Eudi Show; Cannes Yachting Festival.

Magazine - JP Mag; NUI Scientific Journal; IT Defence; Raid.