Professional Offshore Services
- Group Key Facts
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Searenergy Group

Searenergy Holding GmbH & Cie. KG
Managing Directors: Jan B. Steffens, Dr. Benjamin Vordemfelde

Clients

- Full Service in Benelux
- Crewing & Staffing Solutions
- Full Service in GER & World
- Newbuilding Inspection New Technology Solutions
- MWS Marine Inspection Survey
- Certification & Engineering, Permit

SLA

Searenergy B.V.
Maarten Verjaal

SR Ltd.
Ivelin Ivanov

SR Services
Dr. Benjamin Vordemfelde

MCC
Georg Eljardt

Con4Mare
Alexander Vogel

Elbe-1
Hagen Heesch

www.elbeone.com
Group Key Facts

- Mother company founded in 2010
- Privately owned by Bertram Rickmers & Jan B. Steffens
- Con4Mare acquired in 2016
- Elbe-1 acquired in 2019
- Located in Hamburg (GER), Den Haag (NL) and Limassol (CY)
- 70+ permanent employees
Working Standards

Safety Culture Ladder
NEN

ISO 9001:2015
ISO 14001:2015

OHSAS 18001:2007

Achilles
(UVDB; Utilities NCE)

March 2018:
Successful completion of the Safety Culture Ladder Audit (Level 3)

March 2019:
Successful completion of extension of the Safety Culture Ladder Audit (Level 3)

June 2019:
Member of German workgroup for Safety Culture Ladder Standard

ISO 9001:2015 sets the criteria for a quality management system.

ISO 14001:2015 sets the criteria for an environmental management system.

OHSAS 18001:2007
Occupational Health and Safety Management Certification is an international standard which provides a framework to identify, control and decrease the risks associated with health and safety within the workplace.

Achilles is one of the world’s leading global supply chain risk management companies.

www.elbeone.com
Group Services

Permit, Certification & Installation Phase
- Engineering & Projects
- Marine Services
- QHSE Services
- Offshore Professionals
- Permit & Certification Consultancy
- Marine Warranty Survey

Commissioning, Operation & Maintenance Phase

www.elbeone.com
Group Services

Engineering & Projects

- Transport & Installation Concepts
- Load Definition
- Structural Stability Checks
- Vessel Selection
- Onsite Support
- Heavy Lift Engineering
Group Services

Marine Services

- Onshore, Port & Offshore Logistics
- Construction Site Safety
- Offshore Marine Operations
- Marine Coordination
- Provision of Vessels (CTV / PSV)
- Provision of Helicopters
- Catering & Outfitting services
Group Services

QHSE Services

- Development of Emergency Response Plans
- QHSE Management & Supervision
- Permit to Work
- Provision of Risk Assessments
- Incident & Accident Investigation
- Execution of HAZIDs
- QHSE - supervision of construction works

www.elbeone.com
Group Services

- Provision of Project Specialists (onshore)
- Provision of Offshore experienced Professionals
- Assessment and Training of Personnel
- Personnel Management Service
- Manning Concepts
- Visa Support for Clients
Group Services

Design & Permit & Certification

- Design consultancy
- Project certification consultancy acc. to all available certification schemes
- Permits consultancy acc. to international local regulations
- Market readiness studies
- Due diligence studies
- Project management
- Type certification processes
- Design consultancy
- Collateral clauses from permit authorities
- Periodic inspections

www.elbeone.com
Group Services

Marine Warranty Survey

- Surveys & Inspections
  - Vessel Surveys: CMID, Condition, On- / Off-hire, Vessel Assurance, DP
  - Equipment Inspections: Lifting Appliance (LEEA/DIN), LOLER, Crane
  - Surveys: Loading Inspection, Cargo Surveys, Fabrication Inspection

- (Pre-accompanying) Consultancy
  - Feasibility Studies, Design & Analysis, Engineering Evaluation

- Risk & Safety
  - Risk Management, HSE Document Review, Legal Compliance

- Certification Services
  - LEEA Certification, 3rd Party Approval, MWS Approval

www.elbeone.com
DolWin alpha HVDC Platform

CLIENT
TenneT Offshore GmbH

PROJECT PHASE
Operation & Maintenance

SERVICES
Engineering & Projects

DURATION
2018 – ongoing

SCOPE
Design, fabrication and installation of repair clamps for the jacket structure subsea including required surveys, project management, documentation, reporting, personnel, divers, vessel provision, material and equipment.

1. Adapting and detailing Client concept design to final workable solution

2. Supervision of detail structure design and interface management towards certifier and fabrication subcontractor incl. management of single case approval

3. Subcontracting fabrication and supervision thereof

4. Planning of offshore diving and installation campaign

5. Offshore ovality measurements (videogrammetry) of the substructure as preparation for the substructure modification.

6. Offshore execution of the substructure modification supported by divers and ROVs:
   • Site preparations by inspections, dredging and steel surface cleaning and rigging pre-installation
   • Subsea transport of clamps from landing zone to the jacket using airlift bags and hydraulic winches
   • Attachment and fixation of clamps underneath jacket, final bolting and activating
   • Cleaning up of work site and final inspections
Trianel Windpark Borkum II

CLIENT
Seaway Heavy Lifting

PROJECT PHASE
Installation

DURATION
2019 – ongoing

SERVICES
Marine Services
Offshore Professionals

SCOPE
1. Execution of TP Maintenance Campaign
2. Provision of Offshore Professionals (incl. Team Leaders)
3. Procurement of Material, tools, equipment, other services required for the TP maintenance
4. Onshore Project Management:
   • Project steering and supervision
   • Provision of required documentation (RAMS, HSE Plan, Quality Plan, Inspection & Test Plan, Reporting)
   • Assurance of compliance with legal and QHSE requirements
   • Crew & travel management

www.searenergy.com
OSS Hohe See

CLIENT
Consortium of Engie Fabricom, Iemants and CG

PROJECT PHASE
Commissioning, Operation & Maintenance

SERVICES
Marine Services Offshore Professionals

DURATION
2018 – ongoing

SCOPE

1. Provision of Jack-Up Barge
   • Vessel Selection according to client requirements
   • Execution of HAZID audit prior to sail-out
   • Accompanying of Vessel Mobilization, Sail-Out, Vessel Positioning
   • Vessel Management incl. vessel supply, refueling, crew change logistics
   • Execution of ROV survey for scour monitoring and measurement of leg penetration
   • Vessel demobilization

2. Provision of OSS Platform Manager

3. Overall Management for on- and offshore logistics

4. Provision of CTV for crew transfer and small cargo handling

5. Provision of helicopter

6. Crew & Aviation Coordination

7. Supply Logistics & Warehousing

8. Provision of Catering and Outfitting of TLQs and provision of corresponding personnel

9. Provision of PSV and Cargo Runs Management

10. Fuel Supply and Platform Refueling

www.searenergy.com
BorWin gamma HVDC Platform

CLIENT
Petrofac

PROJECT PHASE
Post-Installation / Commissioning

SERVICES
Marine Services
QHSE Services
Offshore Professionals

DURATION
2018 – 2019

SCOPE
1. HSE Consultancy & Documentation
2. Arrangement of required Surveys & Certification in acc. with German law
3. Assistance of governmental / administrative Matters
4. Arrangement and Management of Diverse Services (seabed survey, drone survey)
5. Vessel Chartering & Coordination
6. Procurement of technical parts
7. Customs and Transshipment Clearance / Administration
8. Provision of Helicopter Flights & Coordination
9. Crew Change Logistics
10. Crew Onshore Accommodation
11. Personnel Provision: OIM, NOM, Material Coordinator, Crane Operators, Deck Foreman, Riggers, Control Room Operators, Electricians, Mechanics, Telecommunication Engineer, Field Operator, Safety Engineer (Fachkraft für Arbeitssicherheit), HSE Officer, Safety Officer, PTW Coordinator, ERT Team

www.searenergy.com
BorWin beta HVDC Platform

CLIENT
Siemens AG

SERVICES
Engineering and Projects
Marine Services

PROJECT PHASE
Development and Installation

DURATION
2012 – 2014

SCOPE
EPCI contract consisting of:

1. Project Management
2. Development of a T&I Concept
3. Management of all Interfaces
4. Design and Procurement of all necessary installation tools incl. certification where necessary
5. Selection, Chartering and Management of vessels and barges
6. Execution of the Offshore Works, providing all required logistics and 24/7 back office support during operations
**HelWin alpha HVDC Platform**

**CLIENT**  
Siemens AG

**SERVICES**  
Engineering and Projects  
Marine Services

**PROJECT PHASE**  
Development and Installation

**DURATION**  
2012 – 2014

**SCOPE**

EPCI contract consisting of:

1. **Project Management**
2. **Development of a T&I Concept**
3. **Management** of all Interfaces
4. **Design and Procurement** of all necessary installation tools incl. certification where necessary
5. **Selection, Chartering and Management** of vessels and barges
6. **Execution of the Offshore Works**, providing all required logistics and 24/7 back office support during operations
Export Cable Hohe See

CLIENT
ZTT

PROJECT PHASE
Engineering, Purchase, Installation, Commissioning

DURATION
2017 – ongoing

SERVICES
QHSE Services

SCOPE

1. **QHSE Management and Support** for the EPIC of HVAC export cable connections between Hohe See Offshore Substation (OSS) and BorWin gamma HVDC platform

2. **Supervision and Support** during cable load-outs, cable transport, installation and commissioning phase of the project

3. **Supervision and Support** during shunt reactor delivery and installation on OSS during outfitting

4. **Supervision and Support** of cable installation on OSS during outfitting

5. **Supervision and Support** during commissioning and testing phase

6. **Provision of Permit Manager**
Owners Engineer in Hohe See & Albatros Offshore Wind Farm

**CLIENT**
SGRE

**SERVICE**
Owners Engineer during all phases

**PROJECT PHASE**
Design, Manufacturing, Installation, Commissioning

**DURATION**
since 12/2014

**SCOPE**
EPCI contract consisting of:

1. Project Management
2. Engineering management WTG foundation
3. Engineering management OSS foundation
4. Geotechnical consultancy
5. Certification consultancy
6. permit requirements (BSH)
8. Non Conformities during design, manufacturing and installation.
9. Marking requirements
10. Noise mitigation concepts
11. Fire protection concepts
Project Certification of the Offshore Wind Farm CFXD in Taiwan

CLIENT
Copenhagen Offshore Partners

PROJECT PHASE
Development and Installation

DURATION
since 11/2018

SERVICE
Design consultancy
Project certification consultancy

SCOPE
EPCI contract consisting of:

1. Project Management
2. Scope of Work for project certification acc. to Taiwanese BSMI requirements
3. Design consultancy
4. Project certification execution
Retrofit implementation at the ADWEN M5000 WTG

CLIENT
Siemens SGRE (ADWEN)

SERVICE
Design consultancy
Project certification consultancy

PROJECT PHASE
Development and Installation

DURATION
since 08/2019

SCOPE
1. Project Management
2. Supporting development of a retrofit design
3. Scope of Work for project certification acc. to BSH requirements
4. Design consultancy
5. Project certification execution
6. Communication towards permit authorities.
Owners Engineer during FDR & FIR Approval in the US Vineyard project

CLIENT
MHI Vestas Offshore

SERVICE
FDR & FIR Approval

PROJECT PHASE
Development and Installation

DURATION
since 11/2018

SCOPE
EPCI contract consisting of:
1. Project Management
2. Scope of Work for FDR & FIR approval acc. to US BOEM requirements
3. Design consultancy
4. Project certification execution
MWS for Offshore Windfarms

CLIENTS
Ørsted
Ørsted
GeoSea
EnBW
EnBW
Trianel
Nordsee One GmbH / RWE

PROJECTS
Hornsea One
Borkum Riffgrund 2
Merkur
Hohe See
Albatros
Trianel
Nordsee One

SCOPE
Marine Warranty Survey including Review and Approval of Documents as well as On-Site Surveillance for:

1. Load Out
2. Seafastening
3. Transport including Interim Transports
4. Installation

www.searenergy.com
MWS for HVDC & Transformer Platforms

CLIENTS
ENERGINET.DK
GeoSea
Trianel
ENERGINET.DK
Siemens
Alstom
Siemens
TÜV Rheinland / Allianz / Siemens
TÜV Rheinland / Allianz / Siemens
TenneT
TenneT

PROJECTS
Kriegers Flak
Merkur
Trianel
Horns Rev C
BorWin beta
DolWin gamma
HelWin alpha
HelWin beta
SlyWin alpha
DolWin kappa
DolWin epsilon

SCOPE
Marine Warranty Survey including Review and Approval of Documents as well as On-Site Surveillance for:

1. Load Out
2. Seafastening
3. Transport including Interim Transports
4. Installation
Contact

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