

# History and Expertise

- **History**

- Eide Marine Engineering BV in The Netherlands, is founded in July 2007 as an independent company by Eide Marine Services AS Norway, an authoritative company in the field of special offshore transports and logistics, heavy lifting operations, salvage operations, installation and maintenance of sub-sea equipment, transport and installation of wind turbines offshore as well as engineering services.

- **About us**

- To be able to offer clients a complete package from pre-designs till final products, transports and installations, there was a need to extend the engineering capacity. This was one of the reasons why Eide Marine Engineering BV in the Netherlands was founded.
- However, to be able to serve clients all over the world, Eide Marine Engineering BV is an independent company within the Eide Group.
- The field of expertise of Eide Marine Engineering BV is, besides the above mentioned, consultancy services, motion and sea-keeping analysis, design and detailed engineering for all kind of vessels and structures. For that purpose we have in house programs for motion analysis, stability calculations, FEM analysis, etc.
- Since the start of the company Eide Marine Engineering has provided consultancy and engineering services in the areas of floating cranes with large lifting capacity (5000 tonne and more), heavy transport vessels, submersible barges, semi-submersibles, offshore constructions, self-unloading barges, etc.
- From concept development, through basic design to detailed engineering; ask Eide Marine Engineering to serve you with a design tailored to your needs.
- Eide Marine Engineering BV has its office in the Netherlands, Elst (Gld)





***Jan F. van Roon***

Chief Executive Officer

- 1969 - 1976 Gusto, Schiedam
- 1976 - 2006 Bureau den Boer BV., Dordrecht (from 2002 at Deest)
  - Subsequently Naval Architect and Managing Director
- 2006 – 2007 Bureau den Boer BV., Deest
  - Senior advisor Special Projects ;
  - General Manager Linkspans & Lockgates (for Ravestein BV)
- 2007 – Eide Marine Engineering BV
  - Chief Executive Officer



***Joris J. F. van Driel, BSc***

Technical / Engineering Manager

- 2002 - 2006 Bureau den Boer BV., Deest
  - Deputy Head Engineering
- 2006 – 2008 Bureau den Boer BV., Deest
  - Head Engineering
- 2008 – Eide Marine Engineering BV
  - Technical / Engineering Manager

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As independent naval architects and consulting engineers the staff and employees from Eide Marine Engineering take care of the design and engineering of your needs or the translation of your ideas in practical solutions. Understanding clients wishes and supporting them through the complete design process is our priority.

During the years Eide Marine Engineering has designed and acted as consultant on many, wide ranged, activities: from Submersible barges and Semi-submersible units to Self-unloading vessels. Despite the wide-ranged activities, Eide Marine Engineering managed to obtain a specialisation and leading position in the field of heavy hoisting equipment.

## Engineering Services

Eide Marine Engineering can provide engineering services from pre-design till detailed designs for all kind of projects from new building till conversion projects, in shipbuilding, steel constructions and special equipment. Our motivated staff is high educated, has a lot of experience and is well informed on the Rules and Regulation valid for these fields.

Examples of our design and engineering services are:

- **Heavy Lift Floating Cranes**
  - Sheerleg cranes with fixed and skid-able A-frame positions
- **Heavy Lifting Equipment**
  - Lifting / Spreader beams
  - High lift booms
- **Special Purpose Vessels and Barges**
  - Semi-submersible vessels and barges
  - Self-unloading bulk vessels and barges
  - Load test barges
  - Crane barges
- **Offshore Units**
  - Column stabilized units
- **Marine Operations**
  - Inshore and offshore lifting
  - Marine transports
  - Removal offshore installations
- **Various Structures**
  - Structural design of large steel structures such as bridges and ramps
  - Structural design of equipment foundations such as winches, pumps, mooring equipment, davits, etc

## Consultancy services

Eide Marine Engineering can assist you in performing:

- Building supervision and surveys
- Cost estimates
- Feasibility studies
- Deadweight surveys
- Inclining experiments
- Vessel and equipment surveys
- Design review
- Updating of stability booklets



## In House Software

### ***Stability Calculations:***

- PIAS – Program for the Integral Approach of Ship design
  - Stability Calculations
  - Inclining Test Reports
  - Longitudinal Strength
  - Launching
  - Deterministic Damaged Stability
- NAPA – Naval Architectural Software for Professionals
  - Stability Calculations
  - Longitudinal Strength
  - Probabilistic Damage Stability
  - Sea-keeping
  - Manoeuvring
  - Resistance and Propulsion

### ***Strength Calculations***

- Finite Element Calculations
  - FEMAP
  - SCIA Engineer
- DNV: Nauticus Rule Check Extended
- DNV: Buckling Assessment

### ***Drawings***

- AutoCAD
- Inventor



# Reference List

## REFERENCE LIST EIDE MARINE ENGINEERING BV

Project	Project Name	Client
-	-	-
EME-001	Conversion Eide Barge 33 - Submersible Barge	Eide Marine Services SA - Norway
EME-001/2	Conversion Eide Barge 33 - Lengthening and widening	Eide Marine Services SA - Norway
EME-002	Conversion "HICKORY" - Heavy Transport Vessel "EIDE CARRIER"	Eide Marine Services SA - Norway
EME-003	Eide Lift 3	Eide Marine Services SA - Norway
EME-004	Advice dismantling superstructure EB38	Eide Marine Engineering - Norway
EME-005	Spreader beams for Asian Hercules II	Asian Lift Pte Ltd - Singapore
EME-006	Design and engineering "Asian Hercules III" - 5000T	Asian Lift Pte Ltd - Singapore
EME-007	2750 T Test barge	Franklin Offshore - Singapore
EME-008	Maritime Albatros	Eide Marine Services SA - Norway
EME-009	Sea-fastening Eide Trader	Eide Marine Services SA - Norway
EME-010	Asian Hercules II - several questions	Asian Lift Pte Ltd - Singapore
EME-011	Deck loading on several barges and vessels	Eide Marine Services SA - Norway
EME-012	Strength calculation membrane-/bioreactor tank	Henstek Wijchen BV
EME-013	Several works for 12000 tonnes SUB	Oldendorff Carriers Lübeck - Germany
EME-014	Eide Barge 5 - Rodsand 2	Eide Marine Services SA - Norway
EME-015	Crane Pontoons for Brasil	Louis Dreyfus Armateurs - Paris (France)
EME-016	Advice Floating Sheerleg 3600 T	Scaldis / DEME - Belgium
EME-017	Pre-design Lifting equipment	DEME - Belgium
EME-018	Eide Lift 2 - several questions	Eide Marine Services SA - Norway
EME-019	Design Transporter	Asian Lift Pte Ltd - Singapore
EME-020	Eide Barge 33 - Transport plan Jack-up Barge BV	Eide Marine Services SA - Norway
EME-021	Asian Hercules High Lift Boom Study	Asian Lift Pte Ltd - Singapore
EME-022	Pre-design and price estimation Grab Crane Pontoon	Van Uden Stevedoring BV - Rotterdam
EME-023	Motion analysis container crane transport Eide Barge 45	Eide Marine Services SA - Norway
EME-024	Check Deck structure Eide Transporter for wheel loads	Eide Marine Services SA - Norway

EME-025	Development of offshore transhipment platform	Oldendorff Carriers - Lübeck - Germany
EME-026	Transport Transition pieces - Van Oord	Eide Marine Services SA - Norway
EME-027	Motion analysis Eide Transporter "Sattahip Project"	Eide Marine Services SA - Norway
EME-028	GA-Plan 15000 ton Bauxite Self Unloading Vessel	Oldendorff Carriers - Lübeck - Germany
EME-029	Check Deck structure Eide Barge 45	Eide Marine Services SA - Norway
EME-030	Eide Barge 28	Eide Marine Services SA - Norway
EME-031	Eide Barge 42	Eide Marine Services SA - Norway
EME-032	Eide Barge 44	Eide Marine Services SA - Norway
EME-033	Basic design Windmill Handling Lifting Tower	ODT - Singapore
EME-034	Draugen Buoy - Dismantling	Scanmet - Norway
EME-035	Floating Sheerleg FC450 - Technip Brazil	Technip Grupo Brasil - Rio - Brasil
EME-036	Check Deck structure Eide Barge 33	Eide Marine Services SA - Norway
EME-037	Upgrading Vitoria Lift 1 - Technip	Technip Grupo Brasil - Rio - Brasil
EME-038	Pre-Design 25000t Self Unloading Vessel	Oldendorff Carriers Lübeck - Germany
EME-039	Eide Intervention Vessels - structural design and supervision	Eide Marine Services SA - Norway
EME-040	Design and engineering FC1200 - 1200T / 600T / 350T	Paliy Marine Engineering Pte Ltd - Singapore
EME-041	Transport Floating Cranes on Eide Trader	Eide Marine Services SA - Norway
EME-042	Eide Lift (1)with High Lift Boom	Eide Marine Services SA - Norway
EME-043	Carousel on Trader or EB 33	Eide Marine Services SA - Norway
EME-044	Pre-design Pipe Laying Vessel - Technip	Eide Marine Services SA - Norway
EME-045	FC3000 (Eide Barge 33)	Eide Marine Services SA - Norway
EME-046	Upgrading Asian Hercules	Keppel Fels - Singapore
EME-047	Management Shanghai Office	Eide Marine Services SA - Norway
EME-048	Turntable design	Eide Marine Services SA - Norway
EME-049	Inspection Eide Barge 45	Eide Marine Services SA - Norway

# Reference List

EME-050	Joint venture Well Intervention International	Eide Marine Services SA - Norway
EME-051	Eide Heliport	Eide Marine Services SA - Norway
EME-052	Tender Eide Intervention 3&4	Eide Marine Services SA - Norway
EME-053	Check truck ramp EB47	Eide Marine Services SA - Norway
EME-054	Submersible barge 160x40 'Siemens GBS'	Eide Marine Services SA - Norway
EME-055-1	Deck loading capacity Eide Lift 6	Eide Marine Services SA - Norway
EME-056	144m High Lift boom Asian Hercules II	Asian Lift Pte Ltd - Singapore
EME-057	Eide Barge 37 - Ramp	Eide Marine Services SA - Norway
EME-058	Speed powering prediction Self Unloading Barges	Eships Oldendorff Logistics L.L.C.
EME-059	Eide Trader transport EB32 for Nexans / Chevron	Eide Marine Services SA - Norway
EME-060	Modification tie-rod Eide Lift 6	Eide Marine Services SA - Norway
EME-061	Test Barge "Eide Worker"	Eide Marine Services SA - Norway
EME-062	Fish Farm Lifting Tool	Eide Marine Services SA - Norway
EME-063	Verification of upending for Gullfaks SPM	Scanmet - Norway
EME-064	Eide Multi Flex Unit DP 3	Eide Marine Services SA - Norway
EME-065	Eide Lift 450 - Floating Sheerleg "FC450"	EME
EME-066	Turning Table 7000 t.	Eide Marine Services SA - Norway
EME-067	Eide Submersible Barge 50	Eide Marine Services SA - Norway
EME-068	Floating Sheerlegs "Apollo" and "Atlas"	Eide Marine Services SA - Norway
EME-069	Eide Accommodation - Petrobras - P 2975	Eide Marine Services SA - Norway
EME-070	Intervention unit Sea drill (Petrobras tender)	Eide Marine Services SA - Norway
EME-071	Eide Lift 3 - 5000t sheerleg "Per Aarsleff A/S"	Eide Marine Services SA - Norway
EME-072	Salvage Swan Sailboat	Eide Marine Contractors AS - Norway
EME-073	Self-Unloading Barge - modifications Hawk, etc	Eships Oldendorff Logistics L.L.C.
EME-074	Calculation Sea-fastenings crane "Vizag"	Oldendorff - Lubeck

EME-075	Eide Barge 5 - Sheerleg	Eide Marine Services SA - Norway
EME-076	Intervention unit Helix (EMS 3106) (Tender)	Eide Marine Solutions AS - Norway
EME-077	Eide Flexunit Bohai (EMS 3139)	Eide Marine Solutions AS - Norway
EME-078	Eide Barge 33 - Floating Dock execution	Eide Marine Services AS - Norway
EME-079	Eide Design Accommodation 50.000 Mark II (3151)	Eide Marine Services AS - Norway
EME-080	Eide Trader - 3230 Fast Ferry Transport	Eide Marine Services AS - Norway
EME-081	Eide Trader - Lengthening	Eide Marine Services AS - Norway
EME-082	New Pontoon Asian Hercules	Asian Lift Pte Ltd - Singapore
EME-083	Adapter JibV Asian Hercules 3	Asian Lift Pte Ltd - Singapore
EME-084	Aft Extension Eide Transporter	Eide Marine Services AS - Norway
EME-085	Conversion Skarven to heavy lift vessel	Eide Marine Services AS - Norway
EME-086	16000t Coal Self Unloading Barge	Oldendorff - Lubeck
EME-087	Eide Flex Heavy Lift	Eide Marine Solutions AS - Norway
EME-088	Sea fastening arrangement 36t Lemniscat crane "Volga"	Oldendorff - Lubeck
EME-089	Eide Barge 45 - Jack-up Barge	Eide Marine Services AS - Norway
EME-090	Self (un)loading vessel	Oldendorff - Lubeck
EME-091	Principal designs several "bulk" carrier designs	Oldendorff - Lubeck
EME-092	Double banking operations - study	Oldendorff - Lubeck
EME-093	Eide Flex SOV (Service Operation Vessel) - (L77.4xB27)	Eide Marine Solutions AS - Norway
EME-094	Eide Transporter Sea fastening arr. S.Korea-Turkey	Eide Marine Services AS - Norway
EME-095	Eide Carrier 10.000 T Turntable	Eide Marine Services AS - Norway

23 July 2016

*Eide Marine Engineering BV*

*Jan F. van Roon*

*Chief Executive Officer (The Netherlands)*