

Curriculum Vitae

Family name : Van Daal
First name : Marco J.
Date of Birth : 17th May 1969
Nationality : Dutch

Address : Kunuku Aboa 107
Oranjestad
Aruba, Dutch Caribbean
E-mail : marco@the-works-int.com

Professional titles : B.Sc. awarded by Niria, Dutch engineering society
eur. ing. awarded by Feani, European engineering society
ASME American Society of Mechanical Engineers
Contributing Member on safety, codes and standards

Education

1985 – 1988 College, M.T.S. electromechanical engineering, in Helmond, The Netherlands
1988 – 1992 University, H.T.S. Operational technology in Utrecht, The Netherlands at Hogeschool Utrecht (graduated summa cum laude)
1992 – 1993 Post-Graduate degree in General Management / Economics, Amsterdam, The Netherlands at Hogeschool Amsterdam
1999 – 2000 MBA, at American University in Dubai (not completed due to relocation)

Language Skills

Dutch Fluent in speech and writing (mother tongue)
English Fluent in speech and writing
German Good in speech and writing

Professional background

July 1993 – Dec. 1993 Mammoet Stoof Breda, The Netherlands
Member of Heavy Transport & Erection Team
Erection of 4 Nos. 1000 metric Ton reactor vessels in Antwerp (Belgium) utilising hydra jack.
Placing and installing of 200 metric Ton turbo compressor on offshore platform

January 1994 – April 1994 Mammoet Western, Los Angeles, U.S.A.
Logistics, Planning
Numerous projects in and around Los Angeles, California, U.S.A. after the January 1994 earthquake.

- April 1994 – August 1994** Davenport Mammoet, Rosharon, Texas, U.S.A.
Overall Project Engineering, Planning, Execution
Transport, included ro-ro operation on Mississippi, of 5 Nos. 200 metric Ton vessels from fabrication yard to Baton Rouge, Louisiana.
- August 1994 – Dec. 1994** Mammoet Gulf, Dubai, U.A.E.
Heavy Lift & heavy Transport Supervisor, Engineering
Erection of oil plant shipped from U.S.A. to Fujairah, U.A.E.
Transport and erection of two LNG trains in Ras Laffan, Qatar.
Engineering for various works in the region.
- Dec. 1994 – February 1995** Walter Wright Mammoet Hong Kong
Engineering, Preparation, Planning, Execution
Transport and placing of 24 Nos. 18 metric Ton odd-shaped pre-cast roof sections over the anchorage of the Tsing Ma Bridge. This bridge is the access road to the new airport Chek Lap Kok.
- February 1995 – May 1995** Mammoet Shipping, Amsterdam, The Netherlands
Member of Heavy Lift team for loading & discharge.
Sailed on MV Envoyager, Voyage 31, from Antwerp to Tilbury, Gothenburg and Porto Marghera.

July 1995 – June 1998 Mammoet Gulf, Dubai, U.A.E.
Project Engineer

- Activities**
- Feasibility studies
 - AutoCAD, 3-dimensional transport and/or lifting proposals
 - Stability calculations on hydraulic trailers
 - Ground bearing pressure calculations
 - Logistics
 - Strength calculations
 - Bills of material
 - Turnkey project engineering
 - Field experience

Projects Muscat, Oman. Transportation and Erection of desalination plant consisting of 15 Nos. Heavy Lifts varying from 100 to 185 metric Ton

Port Louis, Mauritius, Indian Ocean. Transportation of 9 Nos. Heavy Lifts for new Power Station together forming a 1000 metric Ton diesel engine.

Port Louis, Mauritius, Indian Ocean. Construction of new jetty for Mauritius Free Zone with 2 Nos. 150 metric Ton and 1 No. 200 metric Ton cranes.

Sohar, Oman. Exchange of 200 metric Ton copper mill. Mill was exchanged on a 2.5 meter elevation with jacking and skidding equipment.

Ruwais, Abu Dhabi, U.A.E. Transport and Exchange of 120 metric Ton Waste Heat Boiler in a life fertiliser plant with a 250 metric Ton crane (M250)

Al Awir, Dubai, U.A.E. Transportation and erection of a 600 MW power plant. Plant consisted of 15 Nos. Heavy Lifts of 200+ metric Ton.

Mukalla, Yemen. Transportation and placing onto foundation of 4 Nos. diesel engines of 125 metric Ton and 4 Nos. generators of 55 metric Ton for a power plant. Transport was carried out through mountainous areas with inclines up to 17%.

Ras Laffan, Qatar. Transport from ships side to under crane hook of heavy lifts upto 700 metric Ton in weight, upto 60 meters in length and upto 16 metres in height. Scope of work included ro-ro operations, temporary offloading and site moves.

Jumeirah, Dubai, U.A.E. Transport of odd shaped trusses upto 50 metric Ton from fabrication yard to the new prestigious Burj Al Arab Hotel. Transport was carried out on self-propelled trailers in double width, dolly configuration. The Burj Al Arab with its height of 321 meters is the tallest offshore hotel in the world.

Jebel Ali, Dubai, U.A.E. Transport and placing of 1 transformer, 1 generator and 1 turbine upto 200 metric Ton

Ras Al Khaimah, U.A.E. Transport and offloading of heavy and oversized cargo varying in weight from 41 to 180 metric Ton. Transport route from Ras Al Khaimah to Jebel Ali.

Jebel Ali, Dubai, U.A.E. Transport, temporary offloading, lifting and placing onto foundation of all heavy vessels for the ENOC condensate Processing Plant. Erection was carried out with Demag CC2400 crawler crane with superlift attachment. Tailing with a Manitowoc M4100 Series 2. Heaviest vessel was 175 metric Ton.

Dubai, U.A.E. Erection of all steel structures for the new terminal building on Dubai International Airport. Erection was carried out with 2 Nos. Manitowoc M4100 and 2 Nos. Manitowoc M4000. All cranes equipped with fly jib. Total erection took 18,000 lifts.

Dubai, U.A.E. Receiving from ships hook, transporting and placing onto foundation of 4 Nos. 280 metric Ton transformers and 2 Nos. 42 metric Ton reactors for Al Ghusais Substation.

Mesaieed, Qatar. Transportation of all heavy equipment for MTBE plant from Mesaieed port to under crane hook. Heaviest vessel was 516 metric Ton

Mesaieed, Qatar. Lifting of one vessel of 516 metric Ton with a Manitowoc M1200 ringer crane with 70 meter boom and 30 meter flyjib.

U.A.E. Transport and placing of 40 Nos. 50 metric Ton each desalination units. Scope of work included loading, barge transport, inland transport and lifting. Units were lifted in 5 new desalination plants in Fujeirah, Ras Al Khaimah and Um Al Quwaim.

June 1998 – Sep. 1999

Mammoet Gulf, Dubai, U.A.E.
Project Manager

Activities

- In charge of 50 Nos. out-door personnel of various nationalities
- Involved in schedules (critical path) during negotiation stage
- Mobilisation of materials
- In charge of engineering department
- Contract review prior to signing and advising management
- Progress reports progress meetings
- Commissioning documents
- Project planning
- Site representative

Projects

Dubai, U.A.E. Controlled demolition of the temporary construction bridge leading to the Burj Al Arab hotel. Bridge was demolished while standing on it with one Demag CC2400 and one Linkbelt LS 318. Bridge beams were loaded onto hydraulic trailers and transported to a storage area.

Jebel Ali, U.A.E. Transport of one vessel of 186 metric Ton and 67 meters long from fabrication yard in Jebel Ali to Iso-octane site. Transport was carried out on self-propelled trailers in close co-operation with the Jebel Ali authorities. This vessel was the longest item ever transported in Jebel Ali.

Jebel Ali, U.A.E. Lifting of one vessel of 186 metric Ton and 67 meters long. Lifting was performed with Demag CC2400 with superlift attachment.

Mussafah, Abu Dhabi, U.A.E. Loading and ro-ro operation of a 600 metric Ton turret structure.

Mussafah, Abu Dhabi, U.A.E. Launch of a 400 metric Ton power barge from quay side into water utilising partly submersed skid system.

U.A.E. and India. Various projects involving cranes (Manitowoc 4100 and Manitowoc 4000) executing work on a barge for the coast of India.

Jebel Ali, U.A.E. Transport and installation of overhead crane for expansion of Dubai Aluminium (DUBAL). Installation carried out with CC2400 with luffing jib and superlift attachment.

Sep. 1999 – Nov. 2000

Pecon Transport Division, Mammoet Gulf's partner in Abu Dhabi
Executive Manager

Activities

- Set up and open new office in Abu Dhabi (incl. all related documentation and permits)
- Advising management on purchases of new/used equipment
- Contract negotiations with (potential) clients
- Contract negotiations with sub-contractors/suppliers
- Market analysis / SWOT analysis
- Sales activities
- Client relations

Projects

Dubai, U.A.E. Transport of 42 Nos. Glaswalled passenger walkway bridges from Sharjah fabrication yard to Dubai International Airport.

Abu Dhabi, U.A.E. Turn key job. Loading of a 1500 metric Ton Tugboat, ro-ro onto a floating dock offload onto docking blocks and submerge the floating dock.

Al Taweelah. U.A.E. Receiving from ships hook, temporary storage in Abu Dhabi port, ro-ro onto barge and offload on site of 18 Nos. heat recovery boilers for the Al Taweelah A2 power and desalination plant. Boiler weights varied from 200 to 240 metric Ton.

Al Taweelah. U.A.E. Transport and lifting of 18 Nos. heat recovery boilers for the Al Taweelah A2 power and desalination plant. Lifting was carried out with CC2400 with superlift attachment and tailing with Manitowoc M4100 Series 2.

Rusail, Oman. Transport and placing onto foundation of 1 No. generator, 1 No. Turbine and 1 No. starting unit of 200+ metric Ton

Mussafah, Abu Dhabi, U.A.E. Transport and loadout of Upper Turret Structure weighing 1050 metric Ton. Loadout onto a barge and towed to along side Mammoet vessel "Happy Buccaneer" where it was lifted onto deck.

Mussafah, Abu Dhabi, U.A.E. Transport and loadout of 7 modules upto 750 metric Ton for the Belema oil/gas field in Nigeria. All modules loaded onto a barge and towed along side mammoet vessel "Happy Buccaneer" where modules were lifted onto deck.

Assaluyeh, South Iran. Total South Pars 2 & 3 oil development project. Receiving, off-loading, ro-ro and barging and lifting of

150 H/L's upto 300 metric Ton. Scope of work also included engineering, logistics.

Nov. 2000 – March 2001

Fagioli S.p.a., Milano, Italy
Operations Supervisor International Business

- Activities**
- Streamlining company processes such as engineering, document flow and internal correspondance, between the various overseas branches.

March 2001 – Dec 2002

Fagioli USA Inc, Houston, United States of America
Operations Director

- Activities**
- Responsible for all all day to day operations.
 - In charge of 15 Nos. field personnel of various nationalities
 - Involved in scheduling (critical path) during negotiation stage
 - De/mobilisation of materials and equipment
 - In charge of engineering department
 - Contract review prior to signing and advising management
 - Progress reports progress meetings
 - Responsible for all applicable permits prior to any Heavy Transport taking place

 - Responsible for organizing future split of engineering and operations departments

Projects

St. Paul Airport, Minneapolis, Minnesota, USA. Lifting a 300 metric Ton tunnel boring machine out of its pit upon completion of tunnel, transport it across the airport runway at night time and lower it into the new pit for the next tunnel. Lifting was performed with strand jacks, 700 ton hydraulic gantry positioned on top of a tower system. Transport was carried out on SPMT's.

Mira Flores, Panama. Receiving 350 metric Ton diesel engine from ships gear in the Mira Flores locks while Panama Canal was closed by the authorities. Transport from the locks to the nearby upgraded powerplant that provides the power to the locks. Transport crossed a 1901 bridge.

Forney, Texas, USA. Powerplant. 6 turbines, 6 generators, 2 steam turbines, 8 transformers. Lifted from rail car by hydraulic gantry, transported to site and placed onto their respective foundation by a combination of hydraulic gantries and tower systems.

New Iberia, Louisiana. Roll off a barge onto land of 900 metric Ton salvaged offshore platform. Performed with 36 axles SPMT.

Gibson, Louisiana. Roll off a barge onto land of one 200 metric Ton and one 600 metric Ton salvaged offshore platform.

Morgan City, Louisiana. Pulling of 2 offshore jackets (3,000 metric Ton and 4,000 metric Ton) onto a barge upon completion of

fabrication. Pulling force was provided by strand jacks while jackets sat on skid ways.

Gibson, Louisiana. Roll off a barge onto land of one 600 metric Ton and one 1,300 metric Ton salvaged offshore platform.

Dec 2002 – Oct 2004

Fagioli PSC USA Inc, Houston, United States of America
Manager of Engineering and Development and
General Manager Fagioli PSC Equatorial Guinea (West Afrika)

Activities

- In charge of engineering department
- Responsible for development and fabrication of new equipment
- Set-up operational office in Equatorial Guinea
- Assist sales department in feasibility studies prior to submissal of bid documents
- Render engineering assistance during surveys and other required studies
- Liaise with oversees engineering offices in Italy and England
- Render supervision on special projects

Projects

Malabo, Equatorial Guinea, West Afrika. New oil refinery for which Fagioli executed transport for all equipment originated from USA. Fagioli also executed all transport in E.G. by means of 24 axles SPMT, 700 ton hydraulic gantry. Project compriced over 150 Heavy Lifts up to 450 metric ton.

Oct. 2004 – Jan. 2006

Caribbean Heavy Lift & Transport Aruba, an ATCO (Aruba Transport Company) division, Dutch Caribbean
Director of Operations

Activities

- Set up of a new Heavy Lift and Heavy Transport division.
- Responsible for marketing, sales and execution of awarded projects
- Investment proposals for equipment such as Goldhofers, jack, skid & slide system and cranes.
- Reporting to board members

Jan 2006 - present

Founding of The Works international (www.the-works-int.com)
Privately held company focussing on global Heavy Lift & Transport trainng and education

Jan.2006 – Jan. 2010

Caribbean Heavy Lift & Transport Aruba, an ATCO (Aruba Transport Company) division, Dutch Caribbean
Director of Operations
Member Board of Directors of ATCO reporting to share holders.

Jan. 2010 – Dec. 2013

As of 1 January 2010 appointed Managing Director of ATCO reporting to share holders

Jan 2010

Authored and published the only Heavy Transport book for this industry. The Art of Heavy Transport.
Reprint in 2011 and revised second edition in 2012.

Available at www.the-works-int.com

July 2012

Accepted contributing membership of ASME, American Society of Mechanical Engineers.