

Experience in refurbishment/repair and development of heavy gantry("Goliath") cranes

(Depicting the name and location of the client, the participating companies, the general characteristics of the object and details of activities)

1989-90 : **Burmeister & Wain/Copenhagen/Denmark**

2 gantry cranes 300 T/45 m (of 1960)
2 gantry cranes 120 T/45 m (of 1960)

Detailed appraisal of the steel structures and mechanical equipment
Technical proposals, planning, budgets
Engineering of corrective measures
Inspection and technical assistance during refurbishment activities.

SWG - Grundstücks GmbH & Co. / Bremen / Germany
(Ex AG WESER Shipyard)

1 gantry crane 500 T/65 m (of 1965)

Detailed appraisal of the crane in preparation of intended refurbishment/modernisation
Engineering assistance, extension of the runway

1992-94 : **Chantiers de l'Atlantique/St. Nazaire/France**
Aumund Kransysteme GmbH / Rheinberg / Germany
Cegelec / Massy / France
Montalev / St. Nazaire / France
Siemens AG / Erlangen / Germany

1 gantry crane 750 T/130 m (of 1968)

Detailed appraisal of the steel structure
Technical solutions of repairs ; supervision of execution
Management concept of total modernisation of the electrical system
Participation in evaluation of technical proposals by alternative suppliers, in drafting of final specification and in evaluation of tenders.
Participation in development of a new driver's cabin; definition of dismounting and erection procedures
Engineering of modifications of cabin suspension
Inspection and technical assistance during erection/ modification work

1995 : **Ateliers et Chantiers du Havre / Le Havre / France**
Cegelec / Massy / France
Montalev / Grenoble / France
Quillery / Paris / France

1 gantry crane 500 T/65 m (of 1965)

Technical assistance in a study for transfer of this crane from Bremen to Le Havre, including extension of span, complete refurbishment and a new crane runway

1995-96 : **Burmeister & Wain/Copenhagen/Denmark**
Topdanmark Insurance/Copenhagen/Denmark
Monberg & Thorsen/Copenhagen/Denmark

1 gantry crane 300 T/45 m (of 1960)

Following major accident requiring replacement of the shear leg:

Examination of consequences
Technical proposals (2 variants) of remedial work;
procedures, planning, budgeting
Technical assistance during engineering phase
Technical assistance and supervision during execution

1997 : **Harland & Wolff / Belfast / United Kingdom**

2 gantry cranes 840 T/140 m (of 1969 and 1974)

Planning of a complete structural, mechanical & electrical refurbishment

1998 : **Chantiers de l'Atlantique/St. Nazaire/France**
Nelcon / Rotterdam / Holland
Cegelec / Massy / France

1 gantry crane 750 T/130 m (of 1967)

Following major accident, management of a complete replacement of a 2 x 250 T main trolley; new design of machinery house and of the trolley anchoring system.
New trolley operational in 5 ½ months !

1999 : **Chantiers de l'Atlantique/St. Nazaire/France**

van Seumeren / de Meern / Holland
Mammoet Stoof / Breda / Holland
Nelcon / Rotterdam / Holland

1 gantry crane 450 T/125 m (of 1976)

Management of a study for transfer of the crane from Antwerp to St. Nazaire including extension of span and complete refurbishment.

2000 : **ALSTOM Marine/ Chantiers de l'Atlantique / St. Nazaire/France**

Alstom Power Conversion / Massy / France
van Seumeren / de Meern / Holland
Mammoet Stoof / Breda / Holland
Nelcon / Rotterdam / Holland
Skanska – Ralling / Malmö / Sweden
Sarens – de Coster / Wolvertem / Belgium
Noell-Reggiane / Langenhagen / Germany
Monberg & Thorsen / Copenhagen / Denmark
Kralovopolska / Brno / Czech Republic

1 gantry crane 1500 T/174 m (of 1974)

Management of a study of transfer of the crane from Malmö to St. Nazaire including shortening of span, complete refurbishment and a new 1010 m runway

ALSTOM Marine/ Chantiers de l'Atlantique / St. Nazaire/France

Entrepose-Montalev / St. Nazaire / France
Apave / Nantes / France

1 gantry crane 750 T/130 m (of 1968)

Detailed survey of steel structure.
Technical solutions of repairs.
Preventive maintenance recommendations.

Elefsis Shipyards / Elefsis / Greece

1 gantry crane 400 T / 58 + 27 m (of 1973)

Detailed survey of steel structure.
Technical solutions of repairs.
Preventive maintenance recommendations.

- 2001 :** **Dockan Exploatering AB / Malmö / Sweden**
Demotec Nordiska AB / Norrköping / Sweden
Fagioli PSC Heavy Lift Ltd. / Iver / UK
Hebetec Engineering AG / Hindelbank / Switzerland
Krupp Fördertechnik GmbH / Cologne / Germany
Mammoet Global BV / Rotterdam / Holland
NCC Anlegg / Oslo / Norway
Rigging Management Systems AB / Skövde / Sweden
Transrig AS / Verdal / Norway
Verkehrsbau Union GmbH / Dresden / Germany
- 1 gantry crane 1500 T/174 m (of 1974)*
- Review, evaluation and technical/contractual assistance in the tender for dismantling of the above crane.
- 2001 - 2005 :** **Elefsis Shipyards / Elefsis / Greece**
(in cooperation with the National Technical University of Athens)
- 1 gantry crane 400 T/58 + 27 m (of 1973)*
- Following crane survey in 2000, management, engineering and supervision of complete rehabilitation of the steel structure.
- 2004 :** **ALSTOM Marine/ Chantiers de l'Atlantique/St.Nazaire/France**
- 1 gantry crane 1000 T/130 m (New)*
- Principal consultancy in all technical subjects as well as organizational/procurement strategies.
- 2004 - 2005 :** **3rd May Shipbuilding Industry / Rijeka / Croatia**
(in cooperation with Siemens AG)
- 1 gantry crane 300 T/104,3 m (of 1973)*
- Detailed survey of structural steelwork.
- 2006 -2008 :** **AIRCRAFT CARRIER Alliance (UK Ministry of Defence, Babcock International, BAE Systems, KBR, Thales,Vosper Thornycroft) represented by Babcock Marine / Rosyth / United Kingdom**
- 1 gantry crane 1000 T/119 m (New)*
- Technical consultancy from first conceptual stage up to organizational & procurement strategies and technical evaluation of tender.

2005 - 2015 :

STX France/St Nazaire/France

1 gantry crane 750 T/130 m (of 1968)

Project of life extension of structural steelwork by 10 years:
in-depth survey, selection and engineering of modifications.
In all probability the first of its kind in this class and age
(38 years to start with) of cranes.

STX France

Project followed by : Jean-Yves JACUEN

Tel : 02 51 10 95 49
Portable : 06 60 44 07 56For the attention of Mr Vladimir Neusimal-WeidenhoffFax number : 01 42 07 01 04Saint-Nazaire, 09th of April 2015O/ref: DO 15-030
JJN/vdlSubject: Krupp crane

Dear Sir,

Referring to your letters received in March 2015, we take hereby the opportunity to thank you for your 10 years collaboration with our shipyard.

The Krupp crane life extension was a real challenge for our company and your great expertise was key to achieve the target.

The Krupp crane is still today in operation both with the new TGP crane for the construction of the biggest cruise ship and will be dismantled in a few months.

We thank you again for your long collaboration with us.

Yours faithfully,

Jean-Yves JACUEN


SVP, Operations Department

**ΝΑΥΠΗΓΕΙΑ ΕΛΕΥΣΙΝΑΣ
ELEFSIS SHIPYARDS**

ΝΑΥΠΗΓΙΚΕΣ & ΒΙΟΜΗΧΑΝΙΚΕΣ ΕΠΙΧΕΙΡΗΣΕΙΣ ΕΛΕΥΣΙΝΑΣ Α.Ε. • ΕΛΕΥΣΙΝΑ 192 00 • ΤΗΛ.: 010.55.35.111
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FAX TRANSMISSION SHEET

OUR REF : DATE: **21/10/03**
TO : VLADIMIR NEVSIMAL FAX No.: (33) -1-
ATTN. : 42070104
INFO : FAX No.:
ATTN. :

TOTAL PAGES:

SUBJECT :
REFERENCE :

Dear Mr. Nevsimal,

On behalf of Elefsis Shipyards I wish to confirm to you that the intention of our Executive Director (former Technical Director), Mr. J Kolliniatis, to express to you our appreciation for your contribution in the rehabilitation of the 400 ton crane and for your excellent performance in the detection of all the critical defects, is also adopted by our new Production Manager, Mr. E. Georgiades.

As the project is still running our appreciation will be expressed to you in writing by the end of the project which, without any doubt, has reached the final stages thanks to your competence, experience and persistence in thorough investigation of all weak points.

Best regards,



P. VALACOS
HEAD OF MAINTENANCE & FIRE SAFETY DEPT.

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Vulkan Hafentechnik GmbH
Oldebruggestrassen 21
D-2940 Wilhelmshaven
West Germany

Att.: Mr. Bernd Vossnacke, Sales Executive

1989.12.14

Your ref.

Our ref.

Dear Sirs,

At the end of a busy year we ask you kindly to accept our best wishes for a Merry Christmas and a Happy New Year.

Simultaneously we are pleased to express our satisfaction with the services rendered by your Mr. Vladimir Nevsimal-Weidenhoffer. He has in his work proved himself to be a highly qualified engineer, and his personal behaviour has enabled him to achieve an outstanding good-will and respect at all levels in our company.

We are looking forward to the return of Vladimir and to the continuation of the repair work on our gantry cranes in 1990.

Yours truly,
Burmeister & Wain Skibsværft A/S af 1843


Hugo Hansen