bicon company profile ENGINEERING - CONSULTING

Engineering

Design and engineering of specialised machines. Design and structural analyse of steel structure and lifting appliance and lifting accessories. 3-D modelling, manufacturing drawings and specifications.

Fabicon AS

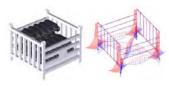
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Design and Engineering

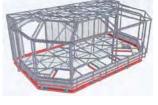
- Developing solutions for automation of production line for drill pipe production. 3-D modelling, calculations, animation and manufacturing drawings
- Design, analyse and verification of steel structures according to NORSOK, (N.001, etc.), DnV (OS-C101, OS-E101) NS 3472 or Eurocode (Staad Pro, ANSYS FEM/ FEA)
- Design of lifting equipment according to the Regulation for Machinery No. 820 FOR 1994-08-19 or DnV 2.7-1/2.7-3
- Design and engineering of offshore containers and modules according to DnV 2.7-1 / EN 12079, DnV 2.7-2 and DnV 2.7-3
- Design of mud systems inclusive mud tanks, piping and process equipment, evaluate pumps etc. according to NORSOK (D-001) and DnV (OS-E101)
- Design of pressure vessels according to BS PD550 og EN 13445 or API.
- Design of pipe supports, access platforms and ladders to oil refinery according to L-SP-002 and N-SP-001
- Third parties Verification of lifting calculations for according to NORSOK N-004 and M-501, Regulation for Machinery No 820 FOR 1994-08-19 and DnV 2.7-1



Automatic grinding machine for internal grinding in drill pipes Client: AGR Dpal AS



Basket for tool joints Client: AGR Dpal AS



Structural Analysis of driller cabin Customer: National Oilwell



Mud System upgrade Oseberg C Customer: Virdrill AS

Production

Prepare manufacturing documentation and as built documentation.

Production

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- Cooperating with manufacturing companies in Spain, Poland and Romania with focus on high quality and low cost.
- Health Safety and Environment (HSE) in focus
- High quality equipment and machines
- Certified welders
- Quality control of production, arrange transport and custom clearance.



Production of Baskets in Poland Client: AGR Dpal AS

ENGINEERING - CONSULTING

con

Fabicon AS

Postal address: Po.Box 40 5951 LINDÅS

Visiting address Mongstad Base Mongstad Sør 5954 Mongstad

Phone: (+47) 95 17 76 96

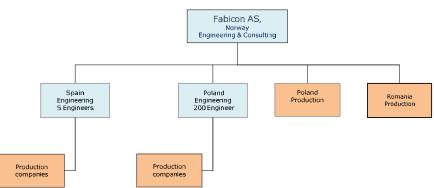
E-mail: post@fabicon.no

www.fabicon.no

Fabicon international:

Fabicon AS is a Engineering company with branches / cooperating companies in several countries, among others Spain and Poland. Totally we have more than 200 highly qualified engineers with experience within many fields. A great deal of these have experience from Norwegian oil and gas projects.

Fabicon AS International network





Fabicon AS is located at Mongstad Base, Mongstad Sør



serving the procurement professional

Prequalified in Achilles

QA: ISO 9000/9001

Fokus på HSE

Ratet to AAA of Dun & Bradstreet 2006, 2007 and 2008





Some examples of projects accomplished in 2008

To the left: Deck arrangement Polar Pioner. Client: Technocean AS

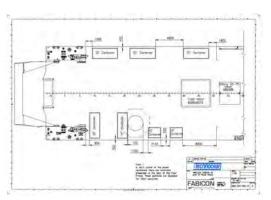
To the right: 3-d modell / animation of wind mill. Client: Mongstad Engineering AS

3-d Model for illustration of containerised accommodation rig Client: Mongstad Engineer-

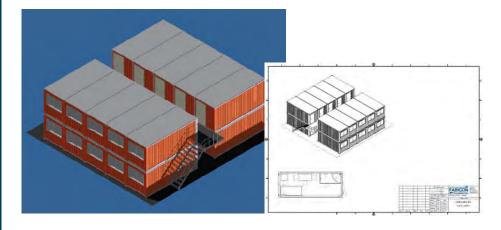
Manufacturing of parts to winch Client: Fedje Mek. Industrier AS

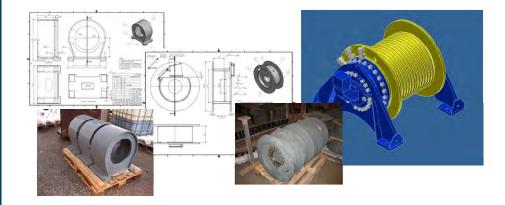
Replacement of loading arms jetty 2 and reolacement of pumps for water wash

Statoil Mongstad Client: Aker Solutions













EndineEning SonooEning

Some examples of projects accomplished in 2008

From idea to finalised product Client: AGR Dpal Mongstad

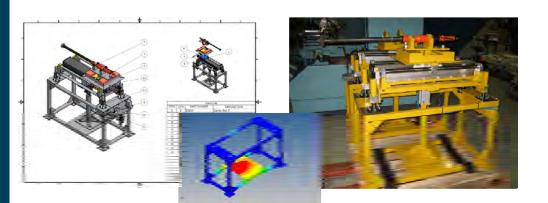
Design and manufacturing of grinding machine for internal grinding of drill pipes.

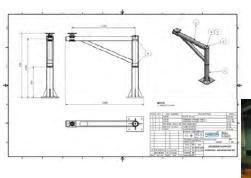
Design and manufacturing of foundation and cabin for belt grinder. External grinding of drill pipes.

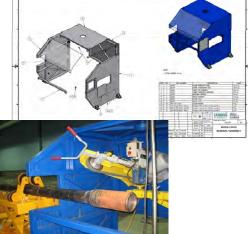
Design and manufacturing of baskets for tool joints

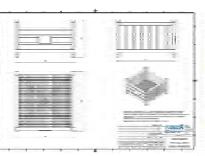
Design and manufacturing of sissors lift for lifting and revolving drill pipes.

COMPANY PROFILE







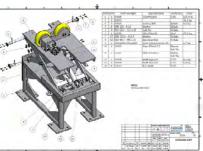














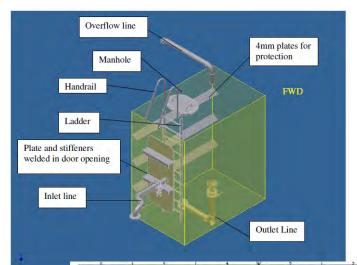
Some examples of projects accomplished in 2012

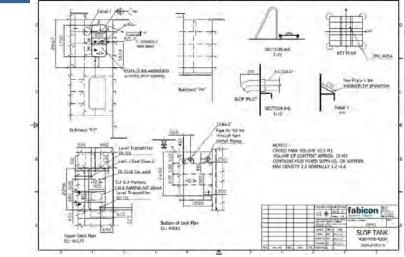
Arrangement drawing and calculation of slop tank on-Songa Delta

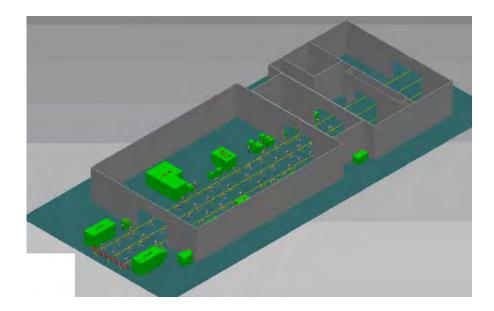
Customer: YIT

Study production plant for drill pipe

Customer: Sam Group Inc









Some examples of projects accomplished in 2012 / 2013

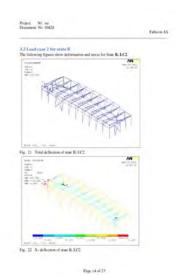
Different Projects: Calculation of storage tanks Calculation of steel buildings Design offshore service Module

Lifting Calculations .

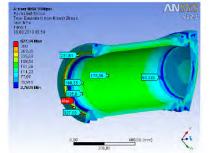
COMPANY PROFILE

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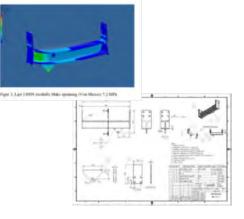
Page 8 of 11







Figs 8 Equivalent streat, rise: 1850wm As can be seen on the pickter, the hub has a region around the ring groove with higher Stresses. This is due to the constraint set on this model. As the stresses are present only in the edge where the hub is constrained the numbe seen as a singularity.



fabicon	Project no.: 6001 Dorument no.: 10461 Page 1 of 2
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Verification of Calculations Client: Frank Mohn Mongstad

15

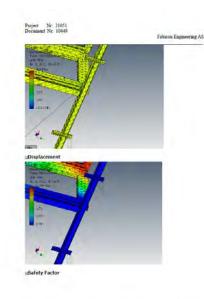
Page 1 of 3



Some examples of projects accomplished in 2013

Calculation of Manifold Platform Client: Songa Offshore As

COMPANY PROFILE





Fabicon Engineering AS

Project Nr: 21051 Document Nr: 10449



In the samefield load, is michaely weight of the must make the manifold, the way weight it is considered as a vanishe load, but it is conservative approach it is michael with the day weight of the samefield. The walking hand is taken as 4 kN(m) as per Norvich N400, and as it is shown in the previous chapter. There loads are modeled as member loads mithem diminimed.

These loads are modeled as member loads uniform distributed.



Fabicon Engineering AS

Calculation of SubSea Frames Client: Radøygruppen

Engineering AS

For Framo Engineering AS

Project Nr: 6002 Document Nr: 10458

- 4.2 Load case 2 Impact during 2-point lifting according to DNV 2.7-3
- 6.2.1 Geometry The model used in load case 2 is similar to the one used in load case 1, ref 4.1.1.
- 4.2.2 Mosh The mesh used in load case 2 is smillar to the one in load case 1.
- 4.2.3 Boundary conditions and loads As for trait case 1, a point mass and accelerators have been applied onto the torecure. To similate the inspectional, angle there has been applied to a source was with length of 50 mm of 0 mm as as of the table applied and the middle of the length. This area is considered in the the part of a source paramitation lass trouccurs length. This area is considered in the the part of the instrum paramitation lass trouccurs length. This area is considered in the the part of the instrum paramitation are trouccurs length. This area is considered in the train the instrum paramitation of the source of the source of the source of the source of the train the source of the train the source of the train the source of the sour

The supports and contains are similar to the ones used in laad case



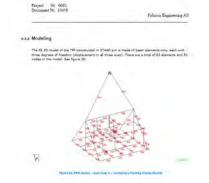
4.2.4 Results Figures 16 to 19 show that all cale

Figures 16 to 19 above that all calculated stress levels are below material allowable. There is only a mixture area has a tress level of above the material livers are Figure 17. This is due to share adopt. Since the mixture level is used balance discussifications in its considered acceptable. The structure is concluded to be structurally satisfactory for the given loads.

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COMPANY PROFILE

Some examples of projects accomplished in 2013

Diverse prosjekter

As built tegninger rørarrangement Alexela Sløvåg.

Produksjonsunderlag og beregninger Guide arrm for Sub-

Kunde: VMS SafePort

Kunde: YIT

sea tool

5.3 Structural calculations (Eurocode 3 [2] & [3])

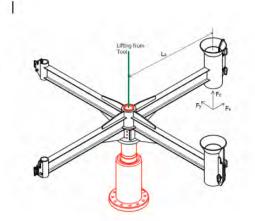
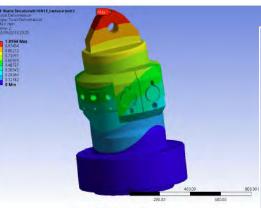


Figure 5 Loads on the structure Tool shown in read.



Beregning av Subsea tool Kunde: VMS SafePort



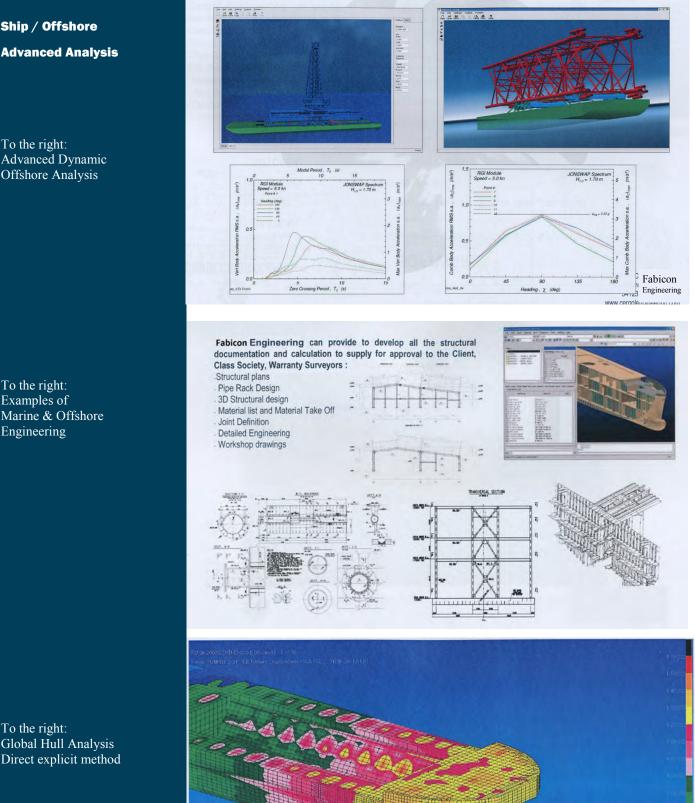




Ship / Offshore

To the right: Advanced Dynamic Offshore Analysis

OFFSHORE & MARIN



To the right: Examples of Marine & Offshore Engineering

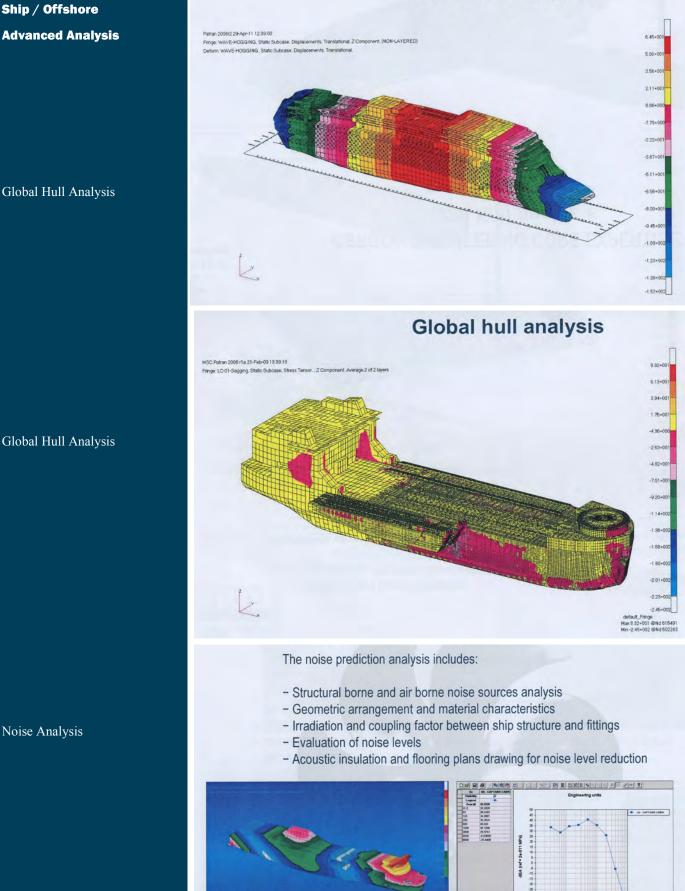
To the right: Global Hull Analysis Direct explicit method



OFFSHORE & MARIN

Global hull analysis

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Noise Analysis