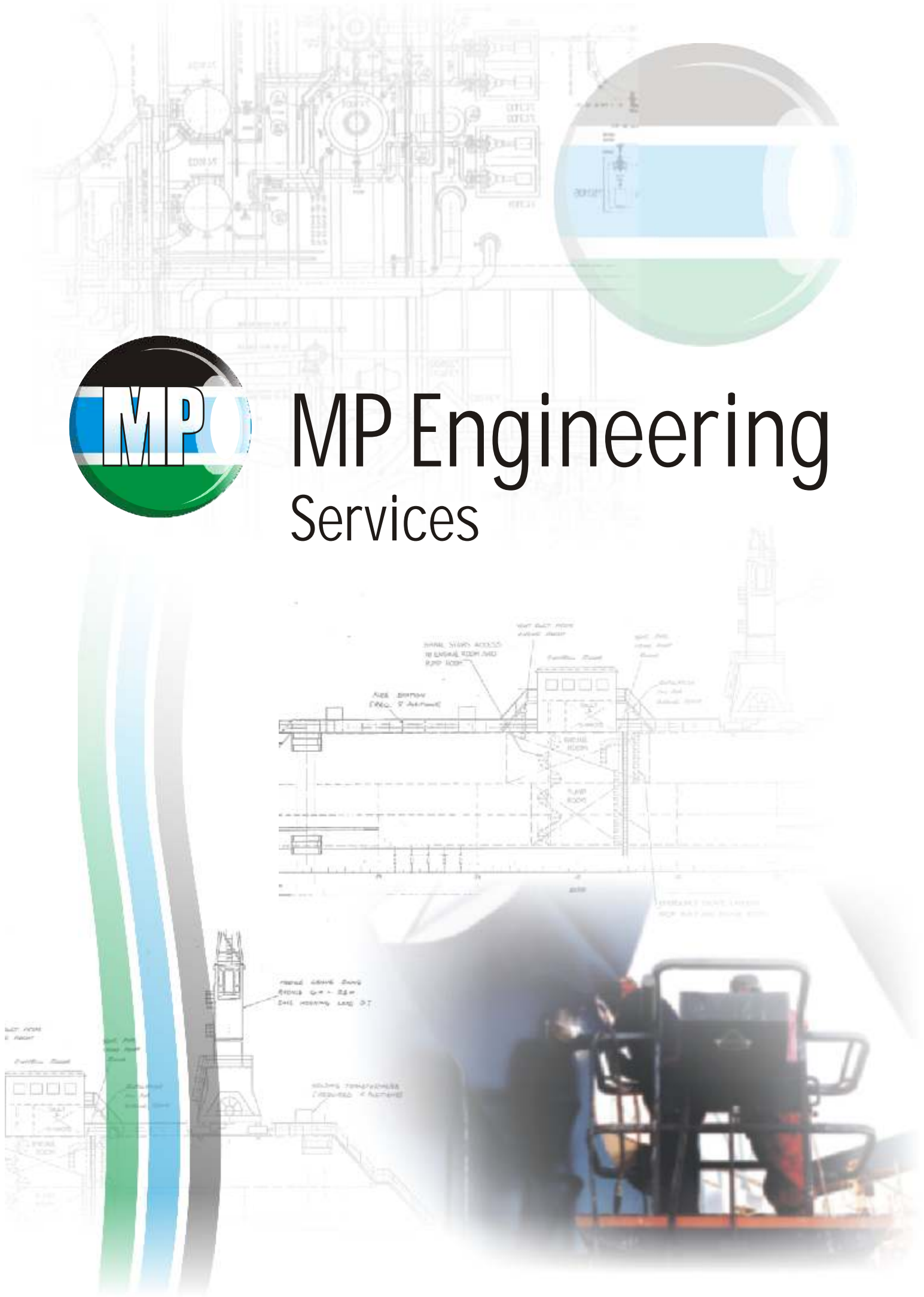




MP Engineering Services





MP Engineering

Services

The Company

May we introduce ourselves as an English Company with more than twenty years experience in providing **skilled tradesmen** for engineering and shipbuilding projects. We also provide our own highly experienced **in-house design** department.

These pages give a more detailed account of our services and facilities and also show a breakdown of all recent projects we have worked on (including references).

Fields of Experience

We have experience in the following areas:

A) Skilled tradesmen

Tradesmen provided by us have all served a five-year apprenticeship and have an additional minimum of five years experience in engineering / shipbuilding industries. All welders are qualified with current certificates. The following categories can be offered:

- Stainless steel welders
- Stainless steel pipe welders
- Duplex steel pipe welders
- Carbon steel welders
- Aluminium welders
- Pipe fitters
- Outfitting fitters
- Steel workers

We also have welding machines, which at request can be made available for use on the projects.

Our prices are based on a flat rate including:

- Daily allowances
- Travel expenses
- Local transport
- Overtime hours
- Accommodation - to be agreed with client.

B) Department for in-house design with following facilities:

- Intel Pentium IV Based CAD Workstations
 - Microstation
 - AutoCAD 2002
 - Tribon
 - PDMS
- E-Mail
- Internet
- Fax
- Photocopying / Scanning
- Large format printing / plotting

The Projects

There follows a detailed list of the projects we have been involved with in the last 5 years.

They are listed first by country, and then if they involved Shipbuilding or Industry.

Countries we have worked in during the last 5 years include: Sweden, Finland, Holland, Denmark, Germany and Norway.

Project Details

FINLAND

Finnish Shipbuilding

1) Kvaerner Masa Yards ABO

- Provision of Stainless Steel and Cunifer Pipe Welders.
- Provision of Pipe Fitters.
- All Welders are tested and certified in K.M.Y. ABO - Finland.

2) Tanatee Marine ABO

- Provision of Aluminium Welders 8 off.
- Provision of Aluminium Steel Fabricators.
- For Fabricators of Stena high-speed Aluminium catamaran.

3) Naantali Ship Repair Yard – Sep to Oct 2000

Modification to Viking ships. Passenger Ferry between Sweden and Finland.

- Remove old and damaged pipe work.
- Pre-fabricate new pipe work.
- Erect new pipe work and weld.
- Testing of new pipe work.
- Pre-fabricate pipe support and secondary steel.

4) Aker Finnyards – Jan 2001 to Sep 2001

- Passenger Ferry Cruise Ship.
- Fabrication & erection of steel sections for cruise liner hulls.
- Shipbuilding and welding (MIG & MAG).

Finnish Industry

1) Nuclear Power Station - Jun 1998

- Provision of Stainless Steel Pipe Welders.
- Provision of Titanium Pipe Welders.
- Duplex Pipe Welders.

2) Steka OY - Jun to Oct 2000

- Pre-fabrication and welding of boiler pipe work in workshop.
- Site project: Foster Wheeler Boiler
 - Stura Enso
 - Outokumpo OY
- Cut pipe work and remove existing boiler panels
- Install new panels and pipe work
- Compound welding of new pipe work and existing pipe work
- Approximately 35 welders and 30 pipe-fitters, all passed boiler pipe work test



SWEDEN

Swedish Shipbuilding

1) Bruces Varvet - Landskrona - Jun to Oct 1997

Project : Passenger Ferry.

Scope of Work: Pre-fabrication of steel sections (4 sections).

- Ship plating.
- MIG & MAG welding

2) Emtunga – Gothenburg – 1998 to 1999

- Provision of M.I.G. Welders.
- Fabrication of accommodation module for Norsk-Shell.

3) Hisab – Landskrona – Jan to May 2000

- Passenger Ferry Cruise Ship.
- Erection of pre-fabricated sections on the slipway to build the vessel's hull.
- Shipbuilding and welding MIG & MAG).
- Vessel plate thickness from 4 -15mm.

4) Oresundsvarvet – Landskrona – May to Jun 2000

Project: Repair Vessel Habib – Passenger Ship Ferry
Scope of Work: Pre-fabrication, erection, testing of pipe work in the following areas

- Funnel -all related pipe work
- Boilers -install two 6 tonne boilers, and all associated pipe work from 12" diameter down to and including instrument pipe work.
- Engine Room -all associated pipe work from 6" down to and including instrument pipe work.
- Compressor Room -all associated pipe work.

5) Oresundsvarvet - Landskrona – Aug to Nov 2000

Project: "The World" Cruise Vessel

Scope of Work: Pre fabrication, erection, testing of the following systems

- Bilge and Ballast systems.
- Air sounding Pipes

Swedish Industry

1) Oresund Bridge Project - Karlskrona (between Denmark and Sweden)

- Design of all jigs and fixtures to produce the 20m sections for the high bridge. The 20m section dimensions are 20m long, 10m high, 15m wide, 450 tonnes approx. There are a total of 56 sections on the high bridge.
- Fabrication of all jigs and fixtures for producing the 20m high bridge sections.
- Welding of 20m sections.
 - a. Plate thickness range from 1 mm - 60mm
 - b. Total weld length in one 20m section – 220m
 - c. %repair rate after 25 sections fabricated – 0.5% repair rate from S.O.C. welders
- Number of welders = 30 (all S.O.C. welders are tested and certified for M.I.G. Welding).

2) Kockums – Malmo

- Welding of all heavy nodes for the high bridge.
- Each heavy node had up to 10 diaphragm plates of thickness, 30min, 45mm and 60mm.
- Outside plate thickness is from 30mm- 60mm
- S.O.C. welders successfully reduced the 100% UT inspection to 20% therefore incurring substantial cost and time saving on each heavy node.
- Total number of welders = 40 (All certified and tested for Fluxcore and M.I.G. welding).

3) O.K. Refinery – Hisingen – Gothenberg

- Provision of all Stainless Steel Pipe Welders – 20 welders, tested and certified.
- Carbon Steel Pipe Welders – 10 -15 Pipe Welders, tested and certified.
- Provision of.
 - a. Pipe Fitter – Stainless Steel
 - b. Pipe Fitter – Carbon Steel
 - c. Pipeline test Engineer
 - d. Punch out test Engineer
 - e. Commissioning Engineer
 - f. Approximately 30 Pipe Fitters

4) South Pipe – Malmo – 1998

- Provision of stainless steel welders
- Provision of pipe fitters
- Pre-fabrication and erection of stainless steel pipes

5) Kvaerner Pulping – Gothenberg – Jun 1999 to Jun 2000 & Sep 2001 to Nov 2001

- Boiler tube pipe work welding.
- Welding of boiler pipe work.
- Site project.
- Remove existing pipe work and renew.
- Boiler Compound welding (carbon steel and stainless steel).

6) APS – Lulea – Jun to Oct 2000 & May to Nov 2001.

- New steel oven.
- Boiler pipe work Pre-fabrication and welding for SSAB.
- Remove existing boiler pipe work and panels and replace with new.
- Pre-fabricate pipe work.
- Welding of new pipe work (compound welding, carbon steel and stainless steel).
- Installation of new pipe work and welding in place.

7) Y.I.T (Project ROR) – Stockholm – Jul 2000

- Pre-fabricate new pipe work in workshop.
- Welding of new pipe work.
- Testing of new pipe work (carbon steel, stainless steel).

