

Consultancy and supervision – steel bridges



FORCE Technology is Denmark's largest company within third party inspections and supervision. We have experience from many worldwide construction projects concerning supervision of manufacturing, welding, NDT, site construction and coating as part of the contract.

With our experience and specialist knowledge, you avoid later annoyance, unnecessary expenses and delay of your project.

Our engineers and inspectors have extensive experience with work for end clients and construction companies within consultancy and supervision.

Qualification before/at start of manufacturing:

We perform review of:

- Manufacturing specifications in accordance with design basis
- Interpretation of norms and standards
- Pre-evaluation of construction contractors and sub-suppliers regarding production facilities and quality systems
- Welding plans, welding procedures and inspection plans
- WPS/WPQR, heat treatment and forming procedures as well as other relevant work procedures in accordance with specifications and standards as well as suitability in accordance with actual welded joints and steel materials

- NDT procedures and operator certificates in accordance with specifications and standards and suitability in accordance with actual welded joints
- Materials certificates in accordance with specifications and standards.

Supervision during the first phase of production

We perform check of:

- Acceptance and storage of materials
- Condition/calibration of welding and heat treatment equipment
- Welder's certificates
- Welding preparation/weld groove preparation
- Visual check of weld quality in accordance with specifications
- Retest of NDT operators' examinations and reports.

Supervision in workshop under current production

We offer execution of:

- Spot check of weld quality by visual control
- Spot check retest of NDT
- Spot check of process adherence
- Spot check traceability of materials and welders
- Spot check follow-up on tolerance measurements
- Follow-up on documentation of performed manufacturing and NDT.



Avoid annoyance, unnecessary expenses and delay of your project



Supervision of manufacturing, welding, construction and coating is an integral part of the contract

Supervision under installation work

We can also offer:

- Spot check of visual inspection of weld quality and spot check of NDT tests
- Spot check of process adherence
- Spot check follow-up on tolerance measurements
- Follow-up on content and status of documentation.

Surface treatment - painting:

In connection with surface treatment of steel bridges, we can also provide consultancy and supervision that may include:

- Consultancy/review of surface treatment procedures including painting system, surface preparation, painting procedures and test plan according to specifications, e.g. ISO 12944
- *Before application of surface protection:* Control of surface preparation and subsequent inspection of painting quality by FROSIO-certified inspector
- *Under current production and during installation:* Spot check inspection of painting preparation and painting quality as well as documentation of painting procedures.

A large number of specialists are ready

According to your needs, we can draw on our highly qualified specialists within all relevant disciplines such as:

- Welding technology
- NDT
- Strength analysis of weld joints
- Metallurgy
- Surface treatment.

Contact us if you want to know how we may help you.

Further information

Peter Krabbe-Christensen: Phone: +45 42 62 73 98 / E-mail: pkc@force.dk.