

Coatings

– Specifications and inspection



FORCE Technology is a knowledge and technology-based service provider which offers development, consultancy and service within our core competencies: testing and inspection, mechatronics and sensor technology, materials technology, welding and production technology, metrology, and management and quality systems.

Part of the materials technology division is the corrosion and metallurgy departments providing services that include fatigue testing, analyses, and selection of materials, e.g. steel, stainless steel, plastic and aluminium.

Coatings

The corrosion department also handles inspection and consultancy service in the area of organic and inorganic coatings (= paint, hot-dipped galvanizing, thermal spray, anodizing, etc.), and on cathodic protection.

Within the coating area, we provide service on:

- Assessment of need of corrosion protection and of the condition of steel structures
- Selection of coating types and specifications for corrosion protection (coating specifications/systems)
- Planning of the application job (work planning specifications)

- Custom-made systems for control procedures before, during and after coating application (control specifications)
- Inspection before, during and after application (coating inspection services)
- Experts (assessments) for the court
- Training and education on paint and corrosion protection
- In-house testing facilities (salt-spray test, humidity chamber, natural weathering, pull-off, etc.)

Standards

The paint services are partly based on SSPC-standards and, in particular, on ISO standards. Our painting inspectors are certified according to NS 476 (FROSIO Inspectors = ISO/EN 12837), a certification equal to NACE Coating Inspectors.

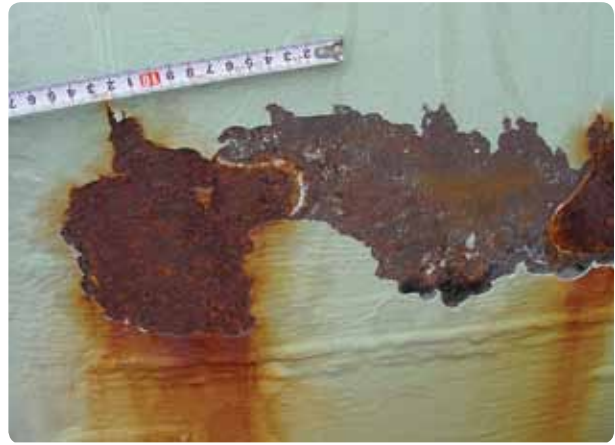
Wind turbine projects

We are or have been actively participating with these services in the following offshore windturbine projects:

- Horns Rev 1
- Horns Rev 2
- Gunfleet Sands
- Walney
- Rødsand
- North Hoyle
- Sheringham Shoals
- Anholt
- Duddon Sands
- London Array and many more.



Painting inspection - Offshore windturbines



Investigation of corrosion attacks

References

List of clients in Denmark and abroad on these services includes:

- Maersk Oil and Gas
- Statoil
- Hydro
- Novo
- Novozymes
- Farøbroen
- Øresundsbroen
- Storebæltsbroen
- Älvsborgsbron
- The Danish Port Authorities
- Scandlines
- Carlsberg
- Vestas
- Energinet.dk
- ABB
- DONG (Natural Gas Suppliers)
- DONG Energy
- Rail Net Denmark (Banedanmark)
- Rambøil Building Contractors
- Cowi
- Aarsleff
- Skanska Building Contractors
- Grontmij Carl Bro and many more.

Further information

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