



Complete control of subsea assets

FORCE Technology provides an integrated Cathodic Protection (CP) approach at a field level, enabling enhanced control of subsea integrity.



Contact: cp-survey@figs.no

Website: www.figs.no

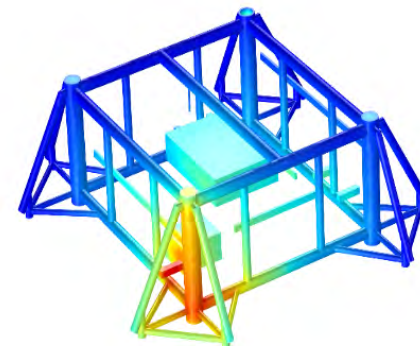


Inspection of buried pipelines

Apart from providing accurate readings at exposed pipelines, the precision of the sensor enables evaluation of the CP system and identification of coating defects on buried pipelines, without the necessity to excavate the pipeline. FiGS® surveys of buried pipelines enable the calculation of the potential profile of entire lines, providing a good basis for evaluating the protection level.

3D inspection of subsea structures

3D measurements of field gradients (FGs) play a major role in the evaluation of CP of complex subsea structures (e.g. x-mas trees, manifolds). It allows for accurate identification of the electric field distribution surrounding a structure, enabling the diagnostic of hot spots, which is challenging with traditional pointwise measurements. Recent tests and commercial surveys have validated the FiGS® in a 3D setup as a tool to inspect complex subsea structures.



Optimised planning, inspection & maintenance

FiGS® data, in combination with CP computer modelling, provides the CP status and life expectancy of the anodes for entire subsea fields. By also measuring drain and interactions between the different CP systems, often connected with pipelines, FiGS® provides a detailed overall status of the field as well as effectively identifying areas of concern.

With FiGS®, maintenance and inspection operations can be planned risk based on a long-term basis, extending inspection intervals as well as optimising the offshore vessel time and minimising interventions.

FiGS® and pipe tracking

The most recent upgrade of the sensor enables the use of FiGS® together with active pipe trackers (e.g. TSS440), without affecting the sensor readings. This new feature reduces the offshore time resulting in significant savings, mainly related to the vessel rental. The resolution of the FiGS® sensor also enables detection of pipeline sections where the pipe tracker is not a suitable tool, due to a high degree of burial.

