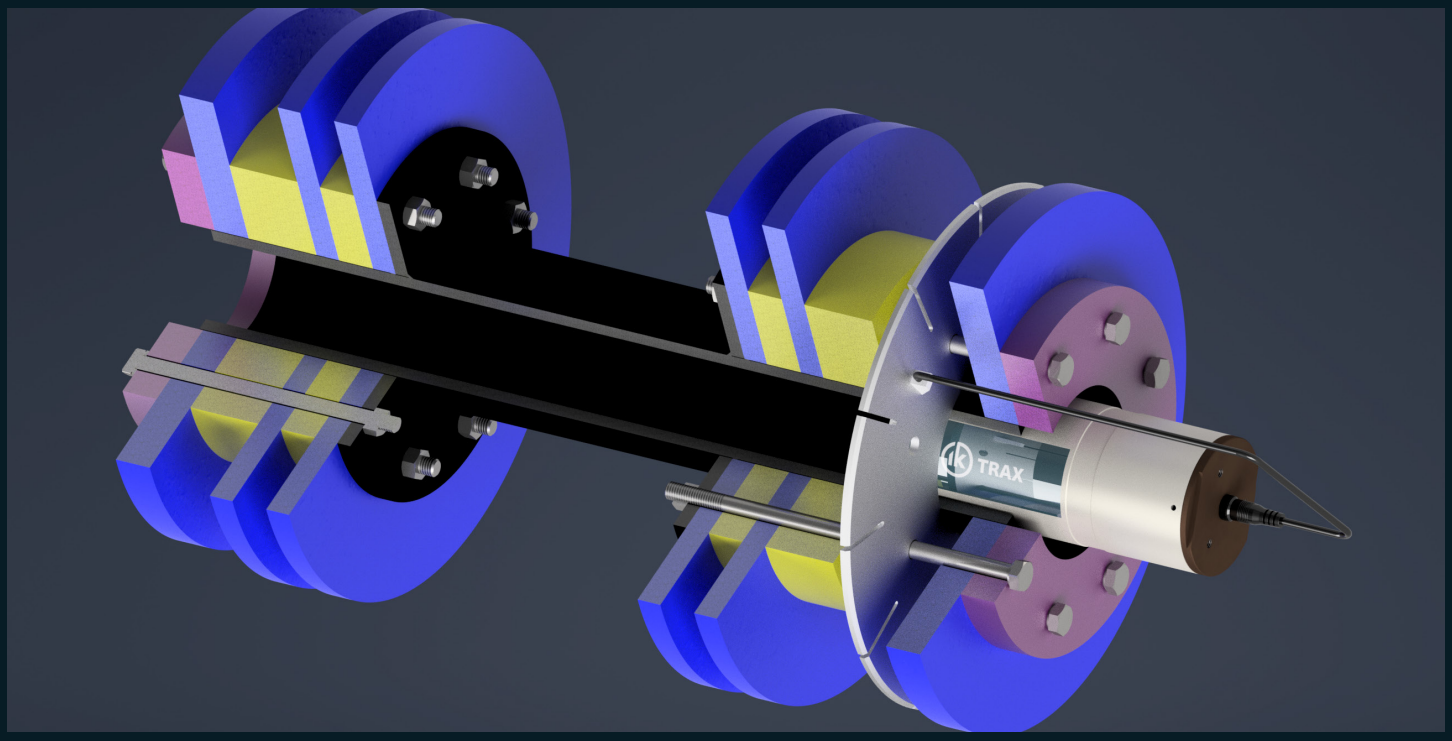
PRODUCT

Gauging Run Integrity Data (GRID®)

Single-Hit System



The Gauging Run Integrity Data (GRID®) provides a cost-effective solution for identifying the presence of a defect in a subsea pipeline.

Key Benefits

- If the system indicates a "Pass", the operator does not need to recover the pig visually to confirm the integrity of the gauge plate or run an intelligent pig, resulting in significant time and cost savings, particularly when receiving the pig subsea.
- With a successful gauging run confirmed by the GRID® system, operators can move directly into the hydrotest phase without delays, ensuring operational efficiency.
- The system can be configured with a pressure switch that activates once the pipeline pressure exceeds a pre-determined threshold. This allows the system to be installed inside a wet pipeline at atmospheric pressure, well in advance of the required activation date.
- Electromagnetic power and pulse rates and lengths can be altered to extend the battery life allowing specific project requirements to be met.

Interested in hearing more about this, or other applications? Contact our IK Trax specialists at:

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Single-Hit System

IK Trax's GRID® System consists of a GRID® EM Transmitter connected to a Break Wire Gauge Plate (BWGP). When fitted to a pig and run through a pipeline, the system detects the presence of a defect along the pipeline, with the pulse rate changing to alert the user that the Gauge Plate has detected a defect.

The system is designed to be compatible with pipelines 6 inches in diameter and larger, making it a versatile solution for a wide range of pipeline sizes

The Gauge Plate is fitted to the disc pack on the rear of a Pig and connected to a GRID® EM Transmitter that is mounted inside the Pig body.

When the GRID® EM Transmitter is in the PASS state, it will transmit a single pulse at the Pass Pulse Rate.

The GRID® EM Transmitter remains in the PASS state until it detects a break in the Gauge Plate, at which point it transitions to the FAIL state to indicate the detection of a defect.

When the GRID® EM Transmitter is in the FAIL state, it will transmit a single pulse at the Fail Pulse Rate (FPR.)

The transmitted pulse can be detected using an EMRx EM Receiver, either by a diver or an ROV.

The Gauge Plate is designed for single-event detection. If you require a Multi-Hit or reusable system please get in touch with our sales team to hear about the options available.

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