

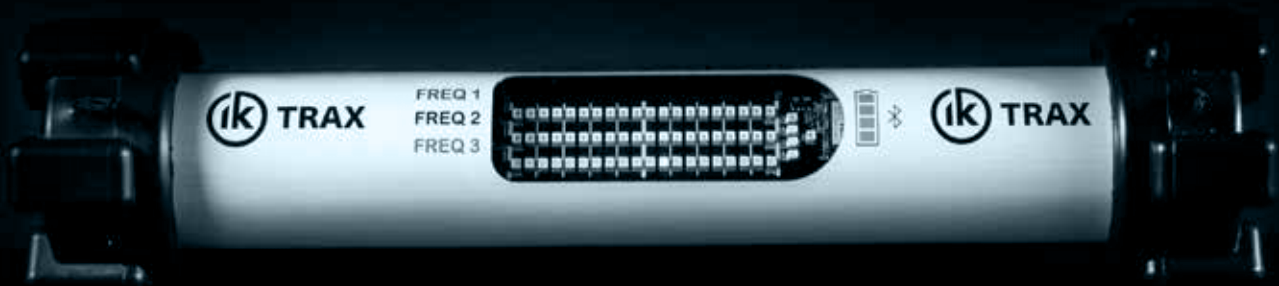


**TRAX**

**Intelligent Pipeline  
Technology**

# **Integrity, Repair & Maintenance**

Products & Services



# About

Originally established as Online Electronics in 1996, IK Trax is now an independent company, part of IK Group Worldwide, an engineering powerhouse that delivers brilliant engineering for the most complex challenges in the oil & gas industry.

With over 25 years of expertise and a successful history, IK Trax has a proven track record in designing and manufacturing pipeline pig locating and signalling equipment, as well as advanced pipeline data logging and testing systems, guaranteeing our clients total assurance in their operations.

## Pig Signalling

IK Trax's range of non-intrusive pig signallers accurately detect, signal and log the passage of pipeline pigs at critical points along pipelines onshore, offshore and subsea. Non-intrusive signallers can be installed quickly and easily to the pipeline. They can also be removed without difficulty if maintenance is required, eliminating the need to suspend production and avoid significant costs as a result.

### Magnetic Pig Signallers

IK Trax's range of compact magnetic signallers detect pigs in any pipeline medium by detecting a change in the magnetic field as the pig passes beneath the sensor. A subsea magnetic signaller rated to 3000m is also available.

#### Features and benefits:

- Graphical display and high-brightness LED
- ATEX, IECEx, UL and CSA-certified models available
- Acoustic link option allowing the vessel to "listen" for pig receipt from the launch site (subsea version only)
- Multiple communication options including local indication and remote signalling
- Up to 100 logged events
- Single control button and intuitive menu system
- Main housing can be mounted remotely for use on buried pipelines or where access is limited.



### Ultrasonic & Acoustic Pig Signallers

The ID5000 Active Pig Signaller is a dual functionality pig unit, integrating both signalling and location confirmation in liquid pipelines. By precisely determining the pig's location, you can minimise downtime and mitigate the risk of a valve being closed upon the pig.

The ID5001 and ID5002 Passive Signallers signal the passage of pig in any medium. Dedicated software allows you to adjust parameters from the control room and provides a comprehensive view of the sensor readings.

#### Features and benefits:

- No requirement for pig to be carrying magnets or transmitters
- Graphical display and high-brightness LEDs
- ATEX-certified and intrinsically safe models available
- Local indication and remote signalling options
- Up to 100 logged events
- Single control button and intuitive menu system
- Main housing can be mounted remotely from the sensor for use on buried pipelines or where access is limited



## Pig Tracking & Locating

Routine pigging can present several challenges and the risk of a pig becoming lost or stuck should always be considered. Until located, lost or stuck pigs can result in considerable downtime and significant extra expense.

### Electromagnetic Transmitters

Electromagnetic(EM) transmitters allow for precise validation of a stuck pig's location and as a contingency method of confirming the launch and receipt of pipeline pigs.

IK Trax provides a wide range of ATEX and IECEx-certified transmitters to suit all pipeline sizes. An EM transmitter can be located to within a few centimetres, facilitating the pig locating process a reducing downtime.

Our intuitive Config Apps allow parameters such as frequency and pulse rate to be modified on-site to suit your project requirements.



### Electromagnetic Receivers

IK Trax's EMRx Multi-Frequency Receivers are used to locate and track pigs fitted with electromagnetic transmitters and/or magnets. They are designed for simple operation with one control carrying out all functions. Onshore and Subsea units are available as well as an Ex version which can be used in hazardous areas.

EMRx Receivers permit the locating of transmitters even within very heavy walled launchers and receivers, pipeline bundles or Pipe-in-Pipe.



### Electromagnetic Receiver Applications

IK Trax's user-friendly EMRx Bluetooth and Windows Applications can be used in conjunction with any EMRx Receiver. They provide a graphical display of the signal, facilitating the pig locating and tracking process. They also allow advanced functionality such as tracking six colour-coded frequencies, audio output, data logging and the ability to mark points of interest. Screenshots and export functions allow for further analysis, reporting or sharing.

#### Features and benefits:

- Specialist operators are not required resulting in less costs than other tracking & location options
- Self-regulation ensures the transmitter signal strength is constant over the battery lifetime.
- The transmitter can be adapted to become the pig body by fitting pig flanges, increasing the signal considerably.
- Transmitter and receiver parameters can be modified by the user without the need to return to manufacturer.



**TRAX**

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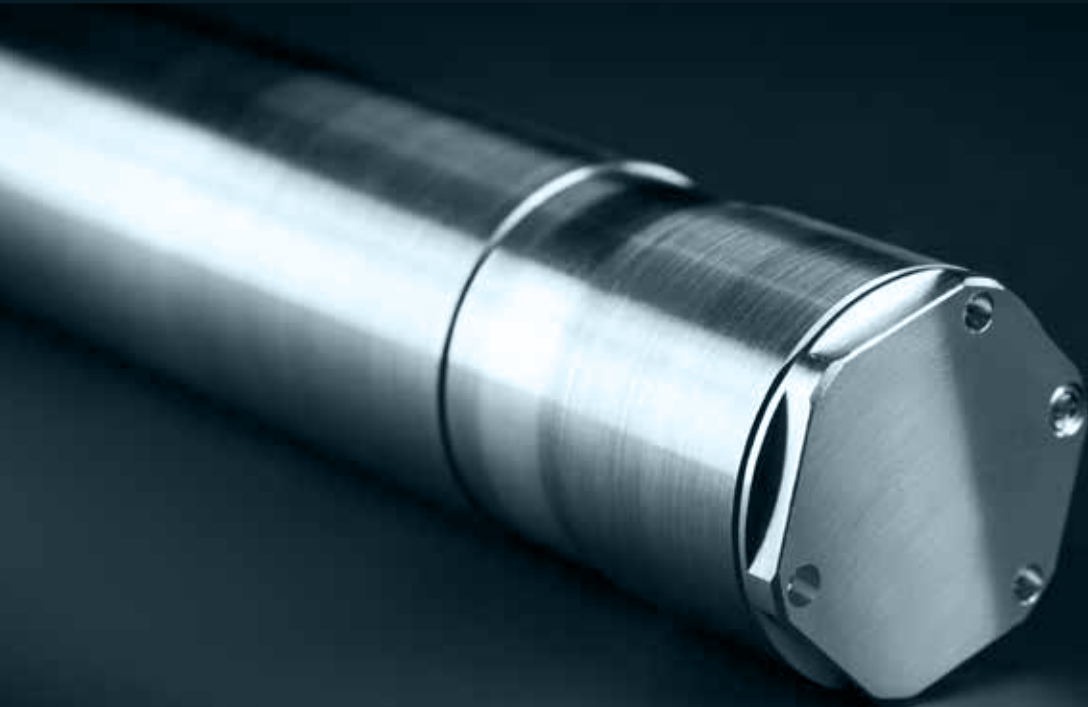
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## Maximise pipeline performance. Minimise risks.

Ensuring the optimal efficiency of your pipeline operations is our top priority. Our range of intelligent products is perfectly tailored to suit diverse applications onshore, offshore and subsea.

We utilise a variety of technologies to assist our clients throughout the entire lifecycle of a pipeline. To find out more about the complete range of products offered by IK Trax please visit our website or contact us directly to discuss how we can assist.

Intelligent Pipeline Technology



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