

INTEGRITY, REPAIR & MAINTENANCE //

Products & Services

INNOVATIVE KNOW-HOW



ABOUT //

Online Electronics (OEL) was formed in 1996 and acquired by the IK-Group in 2015. OEL provides a wide range of pig locating and detection equipment and datalogging and testing systems for the pipeline industry, from construction, through operational life to de-commissioning.

Once a pipeline has been commissioned and is operational, pipeline pigging is still an important consideration. Routine maintenance is vital in order to ensure regular and safe operation throughout a pipeline's lifetime.

PIG SIGNALLING //

OEL'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

OEL's range of compact pig signallers are for use on onshore pipelines in addition to offshore platforms and FPSOs. In addition, a subsea magnetic signaller rated to 3000m is available.

Features and benefits:

- Removes uncertainty of pig passage
- Time and cost saving
- ATEX and UL CSA certified models available
- Acoustic link option allowing vessel to "listen" for pig receipt from launch site (subsea version only)
- Multiple communication options including local indication and remote signalling
- Up to 100 logged events
- Graphical display and high brightness LED
- Single control button and intuitive menu system



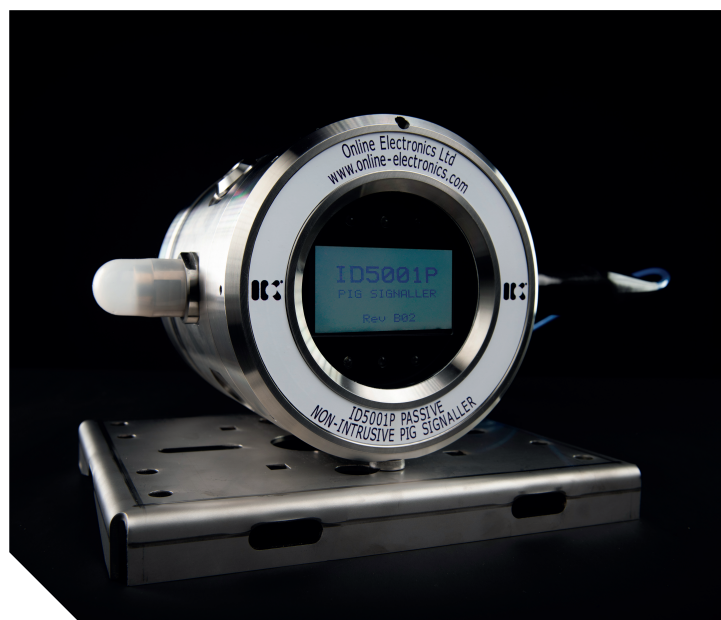
ULTRASONIC PIG SIGNALLERS

The ID5000 Active Pig Signaller signals the passage of pigs in liquid pipelines with the need for magnets or transmitters. The ID5000A can also be used to confirm the location of pigs in the receiver and for wax or debris analysis.

The ID5001 and ID5002 Passive Signallers signal the passage of pig in any medium without the need for magnets or transmitters.

Features and benefits:

- Removes uncertainty of pig passage
- Time and cost saving
- ATEX certified and intrinsically safe models available
- Up to 100 logged events
- Main housing can be mounted remotely up to 10 metres from 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 down time and significant extra expense.

ELECTROMAGNETIC TRANSMITTERS

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

OEL can provide a wide range of ATEX certified EM transmitters designed to work in potentially explosive environments such as FPSOs, platforms, refineries and other locations where equipment must be protected from creating ignition or explosion.

ELECTROMAGNETIC RECEIVERS

OEL's range of EMRx receiver systems allow for quick and exact tracking and locating of pigs fitted with electromagnetic transmitters. The location of a stuck pig can easily be identified with onshore, ATEX and subsea options.

Detection through very heavy walled receivers/launchers, pipeline bundles or Pipe-in-Pipe is possible.



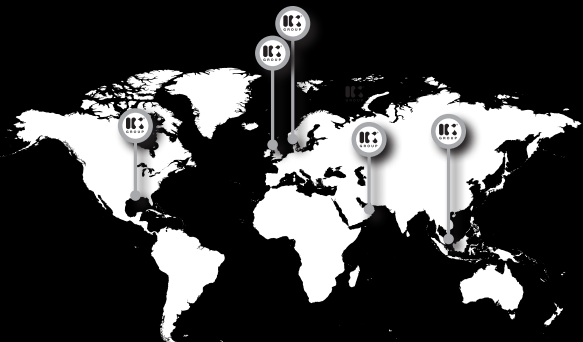
ELECTROMAGNETIC RECEIVER APPLICATIONS

OEL's range of intuitive and easy to use EMRx Applications can be used in conjunction with EMRx units and provide a graphical display of the signal being received, further facilitating the process of pig locating and tracking.

The applications also provide additional functionality such as tracking logs, marker placement and the ability to set EMRx parameters such as the colour coded LEDs displaying the received signal.

FEATURES AND BENEFITS:

- Range of units suit all line sizes
- Specialist operators are not required resulting in less costs than other tracking & location options
- 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.



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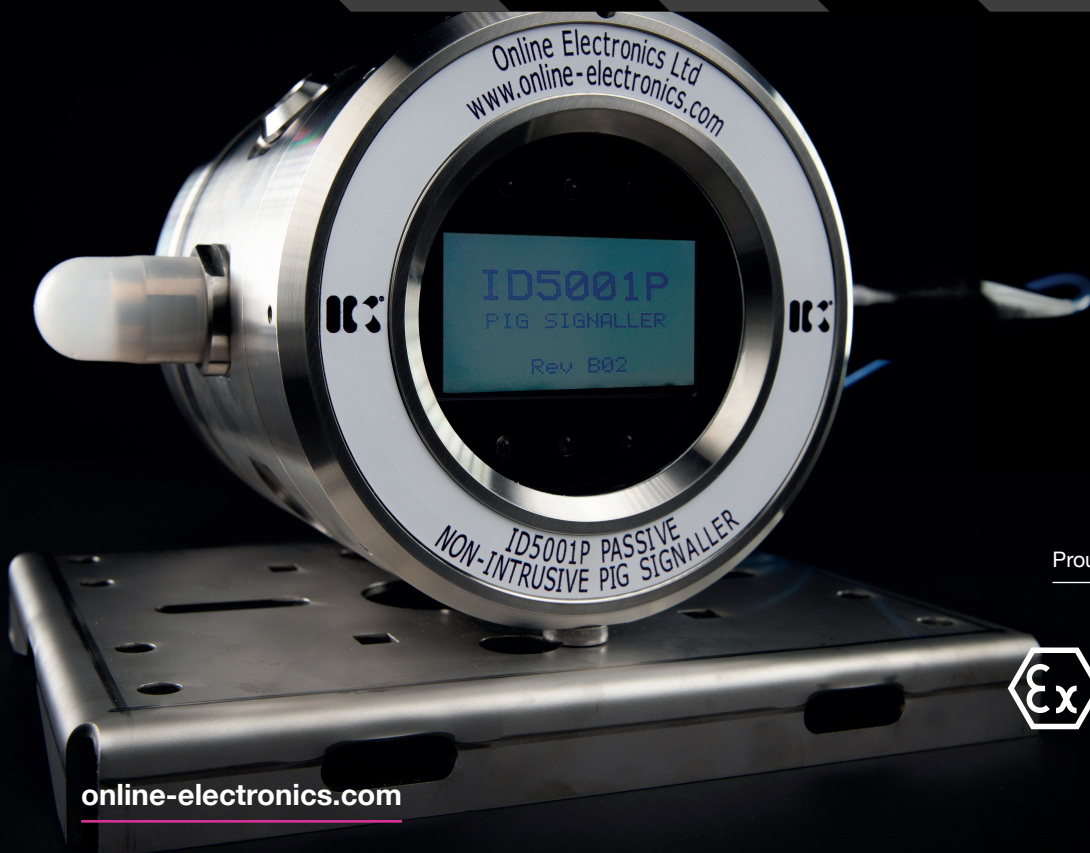
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INNOVATIVE KNOW-HOW

BRILLIANT ENGINEERING IS THE DNA OF THE IK-GROUP //

We make your operations run safely and profitably.
Onshore and Offshore, Topside and Subsea. With the
clever use of proven technology, we have solved some
of our industry's most complex challenges.



Proud to be associated with:



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