

# **Intelligent Pipeline Pigging Market to 2025 - Global Analysis and Forecasts by Application (Metal Loss, Geometry & Bend Detection, and Crack & Leak Detection) Technology (Ultrasonic Pigging and MFL Pigging) and End-user (Chemical, Oil, and Gas)**

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## **Abstracts**

Pipeline pigging is a technique to inspect the pipeline ducts to ensure clean and complete operability of any pipeline in various sectors such as construction, industrial plants such as chemical, oil & gas, water treatment etc. "PIGS" are devices which are inserted into pipeline and travel throughout to record the blockage, in affected parts of the pipeline. There are mainly two types of Pigs, 'utility pigs' which are used to clean and separate batch and in-line inspection; and 'ILI Tools', which are also known as intelligent pigs and are used to collect information such as condition of the pipeline and intensity of the problem and location.

The report aims to provide an overview of Global Intelligent Pipeline Pigging Market along with detailed segmentation of market by application, technology, end-user, and five major geographical regions. Ease of inspection techniques and growing pipeline infrastructures are expected to upsurge the market for intelligent/smart pipeline pigging.

Global intelligent pipeline pigging market is segmented based on applications as: metal loss/corrosion detection, geometry & bend detection, crack & leak detection and others. Technologically, the market is segmented into Ultrasonic Pigging and Magnetic Flux Pigging. On the basis of end-user intelligent pipeline pigging market can be further divided into Chemical, Oil, Gas, and Others.

Global intelligent pipeline pigging market is estimated to grow at a CAGR of 5.3% during the forecast period 2017 - 2025 and accounts for US\$ 781.3 Mn by the year 2025.

There has been tremendous rise in the implementations of pipeline systems in advanced countries as well as in countries with huge reserves of crude oil for transportation of natural gas, crude oil, and petroleum products. Pipelines are considered as the veins of world's economy, and thus the integrity of these systems is an extremely critical aspect to consider, in order to secure systems availability as well as operational safety. Specially designed intelligent pigs help in the prevention of damages to pipes beforehand, and thus prevent unnecessary and unwanted delays or shut-downs in operations.

Today, hundreds of thousands kilometers of pipelines have been laid down in countries across the globe for various purposes. US leads the market in laying of the pipeline systems, while other advanced countries like Canada, and Russia follow it closely. Other leading pipeline implementing countries include Middle East countries that have huge oil reserves, as well as the developing countries in Asia. Serving the purposes of efficient delivery systems for products such as natural gas, crude oil, and petroleum products; these countries are exposed to numerous environmental risks which can be hazardous to the environment. The exposure to such kind of risks demand for development and utilization of technologies/techniques that prevent such kind of hazards. Intelligent pigs are used to inspect the internal condition of the pipeline while traversing along length of the pipeline without obstructing the operations. Key players profiled in the report are Pigs Unlimited International, Inc., Aubin Group, T.D. Williamson Inc., Baker Hughes Incorporated, Pigtek Ltd., 3P Services GmbH & Co KG, A. Hak Industrial Services B.V., Quest Integrity Group LLC, Jamison Products LP, NDT Global GmbH & Co. KG, Enduro Pipeline Services, Inc., PII Pipeline Solutions and Rosen Group.

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