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Global Intelligent Pigging Market by Technology (Magnetic Flux Leakage, Ultrasonic, Caliper), Application (Metal Loss/Corrosion Detection, Geometry Measurement & Bend Detection, Crack & Leak Detection), Pipeline Type (Gas, Liquid), Regional Forecasts 2021-2027

https://marketpublishers.com/r/G598D35C2548EN.html
Date: May 2021
Pages: 200
Price: US$ 4,950.00 (Single User License)
ID: G598D35C2548EN

Abstracts

Global Intelligent Pigging Market is valued approximately at USD 0.62 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 4.69% over the forecast period 2021-2027. Intelligent pigging is a pipeline inspection process in which a smart pig, or inspection probe, is pushed through the pipeline to gather essential data such as the occurrence and location of corrosion or other defects in the pipe inner walls. It assists in pipeline cleaning by scraping the pipe's sides and removing dirt and debris as it passes through. As they move along the product flow through the pipe, intelligent pigs may conduct advanced inspection activities in addition to cleaning. Intelligent pigging market is driven by benefits of intelligent pigging solutions and increase in government regulations for pipeline inspections. Inspection of pipelines is an essential part of asset integrity protection. To maintain safety and effectively reduce risks, pipeline operators must monitor for signs of metal failure, internal and external corrosion, and other irregularities. Carrying or transmitting large quantities of flammable or explosive materials, such as natural gas or oil, across pipelines necessitates extreme caution, as even a minor leak can have devastating results. For instance, pipelines transport about 70% of crude oil and refined products in the United States. Furthermore, for example, according to the U.S. Environmental Protection Agency (EPA), operation pipeline safety regulations are based on several inspection factors such as pipe pressure testing, corrosion monitoring, welding, accident reporting, building, emergency response and more. Included in its inspection and reparation programmes, pipeline and

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hazardous materials safety administration (PHMSA) works to ensure that pipelines are carried out through the high-impact fields. However, Unpiggable Pipelines Render Intelligent Pigging Cumbersome which may impede market growth over the forecast period of 2021-2027.

North America is dominating the market due to the exploration and development of energy generated in the region, and it will continue to move deeper into harsh environments as the demand for energy produced in the region grows. The recent discovery of new extraction methods, in particular, has opened up numerous oil and gas shale regions in extremely remote areas.

Major market player included in this report are:
A.Hak Industrial Services
SGS SA
Quest Integrity Group
Cdria Pipeline Services
Rosen Group
NDT Global
Enduro Pipeline Services
Intertek Group
Halfwave As
Corrosion Control Engineering

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Pipeline Type:
Gas

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Liquid
By Technology:
Magnetic Flux Leakage
Ultrasonic
Caliper
By Application:
Metal Loss/Corrosion Detection
Geometry Measurement & Bend Detection
Crack & Leak Detection
By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019
Base year – 2020
Forecast period – 2021 to 2027.

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Target Audience of the Global Intelligent Pigging Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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