

Pipeline Security Market Physical Security (PIDS, Optic Fibre & Thermal Sensor, Acoustic Sensor, Leakage Detection, UAV, GPS Mapping, Smart Pigging), ICS Security, Professional Services - Global Advancements, Forecasts & Analysis (2013 – 2018)

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Abstracts

Pipeline safety market report focuses on the security technologies and solutions deployed across pipeline infrastructures (such as pipelines, control units, compressor stations and storage units) to protect them from leakages, physical and cyber attacks. The report is broadly segmented by solutions and technologies such as leakage detection solutions, surveillance solutions, pipeline integrity management solutions and network security solutions. The upstream (exploration and off-shore production) operations are expected to attract huge investments across the globe. The pipelines are considered to be ideal and cost effective mode of transportation from these offshore units to refineries and distribution units.

North America alone is estimated to have more than 50% of the global pipelines length transporting mostly natural gas, crude and refined oils and water across the regions. The recent demand for shale gas in the region is estimated to drive the pipeline market in this region. Recent increase in the use of natural gas for transportation and generation of power has forced the companies to ensure safe and efficient transportation of these products. Many government and private pipeline operators are implementing physical as well as cyber security solutions ensuring the safe and optimum utilization of their pipeline infrastructure. Various advanced technologies and solutions such as underground fiber optic solutions, distributed optic sensor networks, Supervisory Control and Data Acquisition (SCADA) network security, pipeline leak detection systems, access control systems and intrusion detection technologies have found their way in the pipeline safety market. They are also implementing the network

security solutions such as SCADA security systems, firewalls, anti-virus/malware, Unified Threat Management (UTM), virtualization solutions and Intrusion Detection System (IDS)/ Intrusion Prevention System (IPS) from preventing any threats ranging from cyber threats to criminal attacks.

The report also includes the services such as risk management services, pipeline integrity management services, system design, integration and consultation services and maintenance and support services that are being provided by the companies towards pipeline infrastructure security. This report also focuses on the driving factors that are pushing this market of pipeline safety and identifies the causes for traction in this market. The report also highlights the most recent and effective solutions and services which are available in physical as well as network security.

Eminent players such as ABB, Alstom, Honeywell, BAE Systems and Tofino offer integrated security solutions in the pipeline safety market. The challenges faced by the companies are integrating the traditional security technologies with the newer ones over a single user interface. Industrial Defender and other such companies offer integrating solutions that bundle monitoring and managing solutions used in the control mechanism.

The related reports are as follows:

Energy Security Market by Power Plants (Nuclear, Thermal And Hydro, Oil And Gas And Renewable Energy), By Technologies (Physical, Network Security), Professional Services - Global Advancements, Forecasts & Analysis (2013 – 2018)

Critical Infrastructure Protection (CIP) Market [Network Security, Physical Security, CIP Radars, CBRNE Detection; Vehicle Identification, Secure Communication; SCADA Security, Building Management]: Global Advancements, Market Forecasts & Analysis (2013 - 2018)

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About

The purpose of this research study is to analyze the global trends in the pipeline security market. In this study, physical as well as network security markets along with professional services market have been taken into consideration for estimating the pipeline security market size. This report analyzes different security solutions and services deployed in securing the high pressure sensitive pipelines across the oil and gas, utilities (water), chemical and manufacturing sectors of the industry. The scope of the study is global and it is done across regions where pipeline security is critical and it includes the markets of North America (NA), Europe (EU), Asia Pacific (APAC), Middle East and Africa (MEA), and Latin America (LA).

Pipeline security market is expected to experience significant growth over the coming years due to the growing demand for energy. It has thus forced the companies to expand their existing infrastructure and also deal with a variety of security challenges such as terrorist attacks, criminal activities, and global competition. This report on pipeline security focuses on such technologies and products that are needed to protect the existing and future infrastructure. A few of the unconventional technologies mapped in this report include over-and underwater surveillance, acoustic leak detectors, laser scanning and buckle detectors, intelligent/smart pigging, Geographic Information Systems (GIS) mapping and video surveillance using thermal and Infrared (IR) cameras. Pipeline safety and security is required to ensure the smooth operation of energy industry. Governments across the world have framed various pipeline security and recovery protocol plans to address the issues relating to prevent, protect, respond and recover from infrastructure security lapse. Transportation Security Administration (TSA) and Pipeline and Hazardous Materials Safety Administration (PHMSA) design the framework to improve security and enhance recovery mechanism for pipelines across United States.

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