

Flow Computer Market in Oil & Gas by Offering (Hardware, Software, Support Services), by Operation (Upstream, Midstream and Downstream), Application (Custody Transfer, Pipeline Flow Monitoring, Wellhead Monitoring) and Region - Global Forecast to 2028

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Report description:

The flow computer market in oil & gas is projected to grow from USD 798 million in 2023 to USD 1,067 million in 2028; it is expected to grow at a CAGR of 6.0% during the forecasted period. The technological advancements in oil & gas industry and suitability in many functions of the oil & gas industry and increasing adoption of process automation providing opportunities for flow computer market in oil & gas.

"Hardware component is expected to register larger market share during the forecast period"

In the flow computer hardware market, the market size of the actual flow computer device is considered. The flow computer is a flow measurement device that calculates the correct flow of liquid and gas based on the signals from the flow meter, pressure transmitter, and temperature transmitters. These flow computers are of different types and are manufactured considering their functions in different applications, accuracy needs, and I/O connection needs. They are used in liquid & gas measurement, wellhead measurement and optimization, custody transfer and control, fuel monitoring, fiscal flow metering, flow meter proving, pipeline transmission and distribution, ship/rail/road loading, and many others

"Midstream & Downstream is expected to register larger market share during the forecast period"

Flow computers are used in many midstream and downstream functions such as metering, meter proving, ticketing, valve control, batching, product interfacing, and custody transfer. These flow computers are installed in midstream pipelines, distribution points, refineries, and billing points. As a result, the market size of flow computers in midstream and downstream operations is large compared to upstream operations.. Midstream enables processing, storing, and transportation of oil & gas. It is a process that falls between upstream and downstream operation whereas downstream is a process in which oil & gas is converted into finished

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products.

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"Market in North America is expected to register larger market share during the forecast period"

In 2022, North America accounted highest market share of the flow computer market in oil & gas. The regional market here has been segmented into US, Canada and Mexico. US was the largest oil & gas-producing country in the world. Consequently, the installation of flow computers at production sites or wellheads is large in US. The midstream oil & gas pipeline length and installed oil and gas refining capacity are also large in US. Similarly, Canada has the third-largest oil reserve in the world, with a major petroleum production industry. It is the fifth-largest producer of natural gas and the sixth-largest producer of crude oil worldwide. Its expanding production enables the adoption of flow computers in oil and natural gas plants. Hence, Flow computers are installed in large quantities in the upstream, midstream, and downstream operations.

Breakdown of the profiles of primary participants:

- By Company Type: Tier 1 - 45%, Tier 2 - 35%, and Tier 3 - 20%

- By Designation: C-level Executives - 35%, Directors - 43%, and others - 22%

- By Region: North America - 31%, Europe - 19%, Asia Pacific - 27%, and RoW - 15%

Major players profiled in this report are as follows: Emerson Electric Co. (US), Honeywell International, Inc. (US), ABB (Switzerland), Thermo Fisher Scientific Inc. (US), Schneider Electric (France), Krohne Messtechnik GmbH (Germany), Yokogawa Electric Corporation (Japan), TechnipFMC plc (US), OMNI Flow Computers, Inc. (US), Dynamic Flow Computers, Inc. (US), Contrec Limited (UK), Kessler-Ellis Products (KEP) Co, Inc. (US), Sensia (US), Prosoft Technology, Inc.(US), Flowmetric, Inc.(US), Spirax Sarco Limited (UK), SICK AG (Germany), Badger Meter, Inc.(US), Quorum Business Solution, Inc.(US), Endress+Hauser AG (Switzerland), PLUM Sp. Zo. O (Poland), Fluidwell BV (Netherlands), Oval Corporation (Japan), Seneca srl (Italy), and Hoffer Flow Controls, Inc. (US).

Research Coverage

This research report categorizes the flow computer market in oil & gas on the basis of components, operation, and region. The report describes the major drivers, restraints, challenges, and opportunities pertaining to the flow computer market in oil & gas and forecasts the same till 2028. Apart from these, the report also consists of leadership mapping and analysis of all the companies included in the flow computer ecosystem.

Key Benefits of Buying the Report:

The report will help market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall flow computer market in oil & gas and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

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