Digital Oilfield Market by Services, by Processes & by Region - Global Forecast to 2020

Description: Digital Oilfield (DOF) is building collaboration between various processes in the oil & gas sector. This enables better monitoring, surveillance and control over the processes in oil exploration and production. Global DOF market is expected to reach USD 30.78 Billion by 2020 growing at a CAGR of 4.31% from 2015 to 2020.

Market estimation for the digital oilfield market is done with 2013 as historical year, 2014 as the base year, 2015 as estimate and forecast till 2020. The report covers market segmented by various processes, services, and regions. In the process segment, production optimization is expected to lead the market during the forecast period driven by the demand from oilfield operators aiming low cost crude production.

DOF market valuation for various segments was arrived by using regional rig data, DOF implementations in various geographies and planned investments of operators and service providers. Finally, the global values were arrived at by consolidation of markets for individual regions. Industry experts were also contacted for validating the key findings of the report, in order to estimate the market appropriately.

The individual responses and the viewpoints were carefully studied and incorporated in the report. The market numbers are also validated by top-down and bottom-up estimation approaches. In top-down approach, regional and the segmental markets are derived from the parent market considering the share of the segments. On the other hand, in bottom up approach individual segment/regional markets are added to get the final parent market.

DOF solutions have been majorly implemented for various processes such as production optimization, drilling optimization, and reservoir optimization. Investments in the individual processes are subjected to the prevailing oil prices. Presently, crude oil prices are below USD 50/barrel reducing the global drilling activities by more than 20% from 2014.

This decline has led the operators to target production optimization segment for efficient and economic crude recovery. Moreover, the overall CAPEX for oilfield development has significantly declined driving the operators towards mature oil fields. Oil prices are expected to stabilize at USD 60-70/barrel by 2018 reviving higher growth rates post the year.

Digital oilfield market caters to various stakeholders such as various oilfield operators, oilfield service providers, drilling operators, exploration companies, government & research organisations, energy associations, private equity investors, and environment research institutes.

Scope Of The Report

The report segments the market on the basis of process, service, and regions markets.

- By Process
  -- Production Optimization
  -- Drilling Optimization
  -- Reservoir optimization
  -- Others (including asset management, safety management, and maintenance & repair)
- By service
  -- Instrumentation and automation
    --- Distributed Control System
    --- SCADA
    --- Smart Well
    --- Safety Systems
    --- Wireless sensor
    --- PLC
    --- CPM
    --- Others
    -- IT Expenditure
--- IT outsourcing
--- Software
--- IT services & commissioning
--- Computer Equipment + Application Hardware

- Region
  -- North America
  -- Europe
  -- Asia-Pacific
  -- Middle East
  -- South America
  -- Africa

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10.3 Halliburton Company
10.4 Baker Hughes Incorporated
10.5 National Oilwell Varco, Inc.
10.6 Weatherford International Plc.
10.7 Paradigm Limited
10.8 Ihs Inc.
10.9 Pointcross Inc.
10.10 Katalyst Data Management
10.11 Ovation Data Services, Inc.
10.12 Cgg S.A.
10.13 Digi International Inc.
10.14 Honeywell International Inc.
10.15 Kongsberg Gruppen Asa
10.16 Pason Systems Inc.
10.17 Redline Communications Group Inc.
10.18 Rockwell Automation, Inc.
10.19 Siemens Ag
10.20 Edg, Inc.
10.21 Oleumtech Corporation
10.22 Petrolink Services Inc.
*Details On Business Overview, Products & Services, Key Insights, Recent Developments, Swot Analysis, Mnm View Might Not Be Captured In Case Of Unlisted Companies.

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