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
Contents:

1 Introduction
   1.1 Objectives Of The Study
   1.2 Market Definitions
   1.3 Market Scope
      1.3.1 Markets Covered
      1.3.2 Years Considered For The Study
   1.4 Currency & Pricing
   1.5 Limitations
   1.6 Stakeholders

2 Research Methodology
   2.1 Introduction
   2.2 Market Size Estimation
   2.3 Breakdown Of Primary Interviews
      2.3.1 Market Breakdown & Data Triangulation
   2.4 Market Share Estimation
      2.4.1 Key Data From Secondary Sources
      2.4.2 Key Data From Primary Sources
         2.4.2.1 Key Industry Insights
   2.5 Assumptions And Limitations
      2.5.1 Assumptions
      2.5.2 Limitations

3 Executive Summary

4 Premium Insights
   4.1 Attractive Growth Opportunities In The Digital Oilfield Market
   4.2 Digital Oilfield Market, By Service
   4.3 The Middle East Digital Oilfield Market, 2014
   4.4 Digital Oilfield Market: Regional Snapshot
   4.5 Production Optimization Market

5 Market Overview
   5.1 Introduction
   5.2 Market Segmentation
      5.2.1 By Service
      5.2.2 By Process
      5.2.3 By Region
   5.3 Market Dynamics
      5.3.1 Drivers
         5.3.1.1 Production Optimization
         5.3.1.2 Producing Oil From Mature Oilfields
      5.3.2 Restraints
      5.3.3 Opportunities
         5.3.3.1 Integration With Advanced Hardware & Software Solutions
      5.3.4 Challenges
         5.3.4.1 Data Security
   5.4 Value Chain Analysis
   5.5 Industry Trends
5.6 Porter’s Five Forces Analysis
5.6.1 Threat Of New Entrants
5.6.2 Threat Of Substitutes
5.6.3 Bargaining Power Of Suppliers
5.6.4 Bargaining Power Of Buyers
5.6.5 Intensity Of Competitive Rivalry

6 Digital Oilfield Market, By Process
6.1 Introduction
6.2 Production Optimization
6.3 Drilling Optimization
6.4 Reservoir Optimization
6.5 Others Processes

7 Digital Oilfield Market, By Service
7.1 Introduction
7.2 Instrumentation & Automation
7.3 It Expenditure

8 Digital Oilfield Market, By Region
8.1 Introduction
8.2 North America
8.2.1 U.S.
8.2.2 Canada
8.2.3 Mexico
8.3 Europe
8.3.1 Norway
8.3.2 U.K.
8.3.3 Russia
8.3.4 Rest Of Europe
8.4 Asia-Pacific
8.4.1 China
8.4.2 Malaysia
8.4.3 India
8.4.4 Australia
8.4.5 Rest Of Asia-Pacific
8.5 Middle East
8.5.1 Oman
8.5.2 Saudi Arabia
8.5.3 Kuwait
8.5.4 Uae
8.5.5 Rest Of The Middle East
8.6 South America
8.6.1 Brazil
8.6.2 Argentina
8.6.3 Venezuela
8.6.4 Rest Of South America
8.7 Africa
8.7.1 Nigeria
8.7.2 Angola
8.7.3 Rest Of Africa

9 Competitive Landscape
9.1 Overview
9.2 Competitive Situation & Trends
9.3 Contracts & Agreements
9.4 New Product Launches
9.5 Mergers & Acquisitions
9.6 Expansions
9.7 Partnerships
9.8 Other Developments

10 Company Profiles
10.1 Introduction
(Business Overview, Products & Services, Key Insights, Recent Developments, Swot Analysis, Mnm View)*
10.2 Schlumberger Limited
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.

11 Appendix
11.1 Insights Of The Industry Experts
11.2 Discussion Guide
11.3 Other Developments, 2011-2014
11.4 Available Customizations
11.5 Introducing Rt: Real-Time Market Intelligence
11.6 Related Reports

List of Tables
Table 1 Industrialization & Urbanization are the Driving Forces of the Market
Table 2 Increase in Energy Cost is the Major Restraining Force of the Market
Table 3 Integration With Advanced Software and Hardware is Expected to Improve the Efficacy of DOF Solutions
Table 4 Protecting Data From External Threats is Expected to Be A Major Challenge Faced By DOF Users
Table 5 Digital Oilfield Market Size, By Process, 2013-2020 (USD Billion)
Table 6 Production Optimization Market Size, By Region, 2013-2020 (USD Billion)
Table 7 Drilling Optimization Market Size, By Region, 2013-2020 (USD Billion)
Table 8 Reservoir Optimization Market Size, By Region, 2013-2020 (USD Billion)
Table 9 Other Processes Market Size, By Region, 2013-2020 (USD Billion)
Table 10 Digital Oilfield Market Size, By Services, 2013-2020 (USD Billion)
Table 11 Instrumentation & Automation Market Size, By Component, 2013-2020 (USD Billion)
Table 12 Instrumentation & Automation Market Size, By Region, 2013-2020 (USD Billion)
Table 13 It Expenditure Market Size, By Component, 2013-2020 (USD Billion)
Table 14 It Expenditure Market Size, By Region, 2013-2020 (USD Billion)
Table 15 Digital Oilfield Market Size, By Region, 2013-2020 (USD Billion)
Table 16 North America: Digital Oilfield Market Size, By Country, 2013-2020 (USD Billion)
Table 17 North America: Digital Oilfield Market Size, By Service, 2013-2020 (USD Billion)
Table 19 North America: It Expenditure Market Size, By Country, 2013-2020 (USD Billion)
Table 22 Canada: Digital Oilfield Market Size, By Service, 2013-2020 (USD Billion)
Table 23 Mexico: Digital Oilfield Market Size, By Service, 2013-2020 (USD Billion)
Table 24 Europe: Digital Oilfield Market Size, By Country, 2013-2020 (USD Billion)
Table 25 Europe: Digital Oilfield Market Size, By Service, 2013-2020 (USD Billion)
Table 26 Europe: Instrumentation & Automation Market Size, By Country, 2013-2020 (USD Billion)
Table 27 Europe: It Expenditure Market Size, By Country, 2013-2020 (USD Billion)
Table 28 Europe: Digital Oilfield Market Size, By Process, 2013-2020 (USD Billion)
Table 29 Norway: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 31 Russia: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 32 Rest of Europe: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 33 Asia-Pacific: Digital Oilfield Market Size, By Country, 2013–2020 (USD Billion)
Table 34 Asia-Pacific: Digital Oilfield Market Size, By Process, 2013-2020 (USD Billion)
Table 36 Asia-Pacific: It Expenditure Market Size, By Country, 2013–2020 (USD Billion)
Table 37 Asia-Pacific: Digital Oilfield Market Size, By Process, 2013-2020 (USD Billion)
Table 38 China: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 39 Malaysia: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 40 India: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 41 Australia: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 42 Rest of Asia-Pacific: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 43 Middle East: Digital Oilfield Market Size, By Country, 2013–2020 (USD Billion)
Table 44 Middle East: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 45 Middle East: Instrumentation & Automation Market Size, By Country, 2013–2020 (USD Billion)
Table 46 Middle East: It Expenditure Market Size, By Country, 2013–2020 (USD Billion)
Table 47 Middle East: Digital Oilfield Market Size, By Process, 2013–2020 (USD Billion)
Table 48 Oman: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 49 Saudi Arabia: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 50 Kuwait: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 51 UAE: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 52 Rest of Middle East: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 53 South America: Digital Oilfield Market Size, By Country, 2013–2020 (USD Billion)
Table 54 South America: Digital Oilfield Market Size, By Process, 2013-2020 (USD Billion)
Table 55 South America: Instrumentation & Automation Market Size, By Country, 2013-2020 (USD Billion)
Table 56 South America: It Expenditure Market Size, By Country, 2013-2020 (USD Billion)
Table 57 South America: Digital Oilfield Market Size, By Process, 2013-2020 (USD Billion)
Table 58 Brazil: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 59 Argentina: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 60 Venezuela: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 61 Rest of South America: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 63 Africa : Digital Oilfield Market Size, By Process, 2013-2020 (USD Billion)
Table 64 Africa: Instrumentation & Automation Market Size, By Country, 2013–2020 (USD Billion)
Table 65 Africa: It Expenditure Market Size, By Country, 2013–2020 (USD Billion)
Table 66 Africa: Digital Oilfield Market Size, By Process, 2013-2020 (USD Billion)
Table 67 Nigeria: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 68 Angola: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 69 Rest of Africa: Digital Oilfield Market Size, By Service, 2013–2020 (USD Billion)
Table 70 Contracts & Agreements, 2011-2015
Table 71 New Product Launches, 2011-2015
Table 72 Mergers & Acquisitions, 2011-2015
Table 73 Expansions, 2011-2015
Table 74 Partnerships, 2011-2015
Table 75 Joint Ventures & Strategic Alliances, 2011-2015
Table 76 Services Portfolio
Table 77 Products Portfolio
Table 78 Mergers & Acquisitions
Table 79 Contracts & Agreements
Table 80 Expansions
Table 81 Joint Ventures/ Partnerships
Table 82 New Product Development

List of Figures
Figure 1 Digital Oilfield Market: Research Design
Figure 2 Market Size Estimation Methodology: Top-Down Approach
Figure 3 Market Size Estimation Methodology: Bottom-Up Approach
Figure 4 Breakdown of Primary Interviews: By Company Type, Designation, & Region
Figure 5 Data Triangulation Methodology
Figure 6 Production Optimization is Expected to Dominate the Modular Substation Market During the Forecast Period
Figure 7 Software Held the Largest Share in IT Expenditure Segment
Figure 8 Instrumentation and Automation to Dominate the Market During the Forecast Period
Figure 9 Middle East is Expected Be the Fastest Growing Market
Figure 10 Instrumentation and Automation to Witness the Highest CAGR During the Forecast Period
Figure 11 Asia-Pacific Accounted for the Largest Market Share in Modular Substation Market in 2014
Figure 12 DOF Market Growth Opportunities, 2015-2020
Figure 13 Instrumentation & Automation Segment is Expected to Grow at the Highest Rate During the Forecast Period
Figure 14 Saudi Arabia is Estimated to Be the Fastest Growing Market in the Middle East
Figure 15 The Middle East & North America Market for DOF is Expected to Exhibit Highest Growth During the Forecast Period
Figure 16 Market for Production Optimization is Expected to Grow Faster Than Other Process Segments, 2015-2020
Figure 17 Technological Developments for DOF Solutions
Figure 18 Digital Oilfield Market Segmentation: By Service
Figure 19 Digital Oilfield Market Segmentation: By Process
Figure 20 Digital Oilfield Market Segmentation: By Region
Figure 21 Modernization of Existing Power Infrastructure and Industrialization to Propel Market Growth
Figure 22 Oil Price Decline
Figure 23 Value Chain Analysis: Major Value is Added During Manufacturing and Assembling
Figure 24 Digital Oilfield Solutions Adoption Areas (2015)
Figure 25 Digital Oilfield – Marketing & Promotional Strategies
Figure 26 Porter's Five Forces Analysis: Intensity of Rivalry is High in the Digital Oilfields Market
Figure 27 Production Optimization to Have the Largest Share
Figure 28 Middle East to Grow at the Highest CAGR
Figure 29 Reservoir Optimization Market, 2015-2020
Figure 30 Instrumentation & Automation to Have the Largest Share By 2020
Figure 31 DCS to Lead the Instrumentation & Automation Market During the Forecast Period
Figure 32 North America and Middle East Offer High Growth Opportunities
Figure 33 Regional Snapshot (2015-2020): Middle East is Emerging as A New Hot Spot
Figure 34 Digital Oilfield Market Size, By Region, 2015–2020 (USD Billion)
Figure 35 North America: Digital Oilfield Market Overview
Figure 36 Middle East Digital Oilfield Market Overview
Figure 37 Companies Adopted Various Growth Strategies During 2011 to 2015
Figure 38 Battle for Market Share: Contracts & Agreements is the Key Strategy Adopted By the Top Players, 2011-2015
Figure 39 Market Share Analysis: Schlumberger Held the Major Market Share (Value) in 2014
Figure 40 Market Leaders Based on Developments, 2011-2015
Figure 41 Market Evolution Framework: Contracts & Agreements has Led to Market Growth, 2011-2015
Figure 42 Geographic Mix of the Top Players
Figure 43 Schlumberger Limited: Company Snapshot
Figure 44 Schlumberger Limited: SWOT Analysis
Figure 45 Halliburton Company: Company Snapshot
Figure 46 Halliburton Company: SWOT Analysis
Figure 47 Baker Hughes Incorporated: Company Snapshot
Figure 48 Baker Hughes Incorporated: SWOT Analysis
Figure 49 National Oilwell Varco, Inc.: Company Snapshot
Figure 50 National Oilwell Varco, Inc.: SWOT Analysis
Figure 51 Weatherford International PLC: Company Snapshot
Figure 52 Weatherford International PLC: SWOT Analysis
Figure 53 Paradigm Limited: Company Snapshot
Figure 54 Paradigm Limited: SWOT Analysis
Figure 55 IHS Inc.: Company Snapshot
Figure 56 IHS Inc.: SWOT Analysis
Figure 57 Pointcross Inc.: Company Snapshot
Figure 58 Pointcross Inc.: SWOT Analysis
Figure 59 Katalyst Data Management: Company Snapshot
Figure 60 Katalyst Data Management: SWOT Analysis
Figure 61 Ovation Data Services, Inc.: Company Snapshot
Figure 62 Ovation Data Services, Inc.: SWOT Analysis
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