

Process Automation & Instrumentation Market in Oil & Gas Industry by Process Automation (SCADA, DCS, PLC & MES), Instrumentation, Analyzers, Flow Computers, Leakage Detection, Operation & Geography – Analysis & Forecast (2013 - 2020)

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Abstracts

Process automation and instrumentation in the oil and gas industry is employed to automate the simple, as well as, some of the most complicated processes involved in the extraction, transmission, and refining of oil and gas. Automating the systems offers several advantages which includes reduction of cost, increased productivity, and enhanced safety and security. Automation has become an important installation, as most of the new oil and gas wells are located in deep sea or at a location, which, in a majority of the cases, is considered as a harsh environment condition for the humans. Implementation of automation in the oil and gas industry also helps in controlling and maintaining the geographically scattered oil and gas wells.

The growth of the process automation and instrumentation market in the oil and gas industry in the coming years is expected to be significant, with the revenue growth estimated to reach \$31.24 billion by 2020, at an estimated CAGR of 8.23% from 2013 to 2020. The major players in the process automation and instrumentation market in the oil and gas industry include ABB (Switzerland), Emerson Process Management (U.S.), Siemens (Germany), Honeywell (U.S.), Rockwell Automation (U.S.), and Yokogawa (Japan).

The main drivers for the process automation and instrumentation market in the oil and gas industry include exploration and extraction of 'shale' gas, rising demand of oil and gas, upgradation of old oil and gas platform, exploration and extraction from aging oil and gas wells, and the increasing emphasis on safety and security. Development of oil

and gas in emerging economies is a major growth opportunity for the process automation and instrumentation market in the oil and gas industry. Moreover, major restraints for the market include matured and saturated developed economies, and issues pertaining to the integration of data generated by installed automation products.

The report covers the market by technology, operation, and geography— of the process automation and instrumentation market in the oil and gas industry; it provides a detailed analysis of the current market scenario and its estimation till the year 2020. The process automation accounts for a major share of the global process automation and instrumentation market in the oil and gas industry. The market is expected to grow well in the developing regions, which is mainly attributed to the fact that there is rise in demand of oil and gas due to rise in the population in these regions.

This report describes the value chain for process automation and instrumentation market in the oil and gas industry by considering all the major stakeholders in the market and their role in the analysis. The report also provides a detailed scrutiny of the Porter's five force analysis of the market. All the five major factors in these markets have been quantified using the internal key parameters governing each of them.

Middle East, currently, leads the market share for global process automation and instrumentation market in the oil and gas industry, as this region accounts for the maximum production of oil and gas. APAC is the emerging market for process automation and instrumentation and has the highest growth rate amongst all the geographic regions. It is estimated that the APAC market will grow at the rate of 9.91% from 2013 to 2020.

The report covers the companies that are the major players, and active in the oil and gas industries. The report provides the competitive landscape of the players which covers the key growth strategies followed by all the major players.

Scope of the report

The research report categorizes the “global process automation and instrumentation market in the oil and gas industry” on the basis of the different technologies, operation, and geographical analysis; and the forecasted revenue and analyzing trend in the market.

On the basis of products

The basic heads under this include: process automation (Supervisory Control and Data Acquisition (SCADA), Distributed Control Systems (DCS), Programmable Logic Controller (PLC), Manufacturing Execution Systems (MES)); process instrumentation (pressure transmitters, temperature transmitters, level transmitters, and flow transmitters); process analyzer (liquid analyzer, gas analyzer and gas chromatograph); flow computers; and leakage detection systems.

On the basis of operation

The basic operations in the process automation and instrumentation in the oil and gas industry include upstream (exploration & extraction), midstream (transmission), and downstream (refineries).

On the basis of geography

Americas

North Americas (U.S., Canada, and Mexico)

South Americas (Brazil and Others)

Middle East (Saudi Arabia, Iran, Iraq, UAE, Kuwait, and Others)

Africa

APAC (China, India, Malaysia, and Others)

Europe(Norway, and Others)

Rest of World (Russia, Kazakhstan, Azerbaijan, and Others)

The report covers the market data and information, with regards to the market drivers, trends and opportunities, key players, and competitive outlook. This report also makes ways for market tables to cover the sub-segments and micro-markets. In addition, it profiles around 26 companies covering all the sub-segments; such as overview, products & services, financials, strategy, and developments.

Contents

1 INTRODUCTION

- 1.1 KEY TAKE-AWAYS
- 1.2 REPORT DESCRIPTION
- 1.3 MARKETS COVERED
- 1.4 STAKEHOLDERS
- 1.5 RESEARCH METHODOLOGY
 - 1.5.1 MARKET SIZE ESTIMATION
 - 1.5.2 MARKET BREAKDOWN AND DATA TRIANGULATION
 - 1.5.3 KEY DATA POINT FROM SECONDARY SOURCES
 - 1.5.4 KEY DATA POINT FROM PRIMARY SOURCES
 - 1.5.5 REPORT ASSUMPTIONS
 - 1.5.6 KEY COMPANIES COVERED DURING STUDY

2 EXECUTIVE SUMMARY

3 COVER STORY – INTERVIEW WITH FOUNDER AND DIRECTOR, IOG SOLUTIONS

4 MARKET OVERVIEW

- 4.1 INTRODUCTION
- 4.2 MARKET DEFINITION
- 4.3 MARKET SEGMENTATION
- 4.4 HISTORY & EVOLUTION OF AUTOMATION & INSTRUMENTATION MARKET IN THE OIL & GAS INDUSTRY

5 MARKET ANALYSIS

- 5.1 INTRODUCTION
- 5.2 MARKET DYNAMICS
 - 5.2.1 MARKET DRIVERS
 - 5.2.1.1 Complicated Exploration and Extraction of Shale Gas will Lead the Development of Automation in Oil and Gas
 - 5.2.1.2 Rising Demand of Oil and Gas, Especially, from the APAC Region, will Develop the Oil and Gas Automation Market
 - 5.2.1.3 Upgrading Old Oil and Gas Platform and Shifting to Modern Digital

Instruments is Expected to Boost the Market

5.2.1.4 Exploration and Production from Aging Oil and Gas Reservoirs is Expected to Give Huge Boost to the Market

5.2.1.5 Emphasizing more on Safety & Security is Considered as being of Strategic Importance for Oil and Gas Market

5.2.2 MARKET RESTRAINTS

5.2.2.1 Saturated and Matured Developed Markets are Affecting the Automation Market

5.2.2.2 Issues with the Integration of the Data Generated by Installed Oil and Gas Automation Products.

5.2.3 MARKET OPPORTUNITIES

5.2.3.1 Development of Oil and Gas in Emerging Economies is Expected to be the Future of the Automation Market

5.3 BURNING ISSUE

5.3.1 HIGH FLUCTUATION IN OIL PRICES IS EATING UP THE MARGIN, ESPECIALLY, FOR THE SMALL OIL AND GAS PLAYERS

5.4 WINNING IMPERATIVE

5.4.1 UNDERSTANDING THE REQUIREMENTS OF END USERS IS EXPECTED TO BE A GAME CHANGING MARKET DYNAMICS

5.5 VALUE CHAIN ANALYSIS OF PROCESS AUTOMATION & INSTRUMENTATION IN OIL & GAS INDUSTRY

5.6 PORTER'S FIVE FORCE ANALYSIS

5.6.1 THREAT FROM NEW ENTRANTS

5.6.2 THREAT FROM SUBSTITUTES

5.6.3 BARGAINING POWER OF SUPPLIERS

5.6.4 BARGAINING POWER OF CUSTOMERS

5.6.5 DEGREE OF COMPETITION

6 OIL & GAS AUTOMATION & INSTRUMENTATION MARKET, BY TECHNOLOGY

6.1 PROCESS AUTOMATION

6.1.1 SCADA (SUPERVISORY CONTROL AND DATA ACQUISITION) SYSTEMS

6.1.1.1 SCADA Market: Stronghold in the Oil & Gas Extraction Industry

6.1.1.2 Important Function of SCADA System

6.1.1.2.1 System Control

6.1.1.2.2 System Monitoring

6.1.1.2.3 Data Acquisition

6.1.2 DISTRIBUTED CONTROL SYSTEMS MARKET (DCS)

6.1.2.1 DCS: Expected to Gain Maximum Penetration in the Developing Countries

- 6.1.3 PROGRAMMABLE LOGIC CONTROLLERS (PLC)
 - 6.1.3.1 Major Companies offering Programmable Logic Controllers (PLC)
 - 6.1.3.2 Advantages of PLC
- 6.1.4 MANUFACTURING EXECUTION SYSTEMS (MES)
 - 6.1.4.1 Value Chain Analysis of Manufacturing Execution Systems (MES)
 - 6.1.4.2 Benefits of the MES system
- 6.2 PROCESS INSTRUMENTATION
 - 6.2.1 PRESSURE TRANSMITTERS
 - 6.2.1.1 Major Companies Offering Pressure Transmitters
 - 6.2.2 TEMPERATURE TRANSMITTERS
 - 6.2.2.1 Classification of Intelligent Temperature Transmitters
 - 6.2.2.1.1 Explosion-Proof and Temperature Proof Transmitters
 - 6.2.2.1.2 DIN Rail and Panel Mount Transmitters
 - 6.2.2.1.3 Head Mount Transmitters
 - 6.2.2.2 Major Companies offering Temperature Transmitters
 - 6.2.3 LEVEL TRANSMITTERS
 - 6.2.3.1 Operation Principles
 - 6.2.3.1.1 Hydrostatic Operating Principle
 - 6.2.3.1.1.1 Advantages & Disadvantages of Hydrostatic pressure
 - 6.2.3.1.2 Ultrasonic operating principle
 - 6.2.3.1.2.1 Advantages & Disadvantages of an Ultrasonic Level Sensor
 - 6.2.3.1.3 Capacitive operation
 - 6.2.3.1.3.1 Advantages & Disadvantages of Capacitive Operation
 - 6.2.3.1.4 Guided Wave Radar
 - 6.2.3.1.4.1 Advantages & Disadvantages of Guided Wave Radar
 - 6.2.4 FLOW TRANSMITTERS
 - 6.2.4.1 Major Companies offering Flow Transmitters
- 6.3 PROCESS ANALYZER
 - 6.3.1 LIQUID ANALYZER
 - 6.3.2 GAS ANALYZER
 - 6.3.3 GAS CHROMATOGRAPHS
- 6.4 FLOW COMPUTERS
 - 6.4.1 FLOW COMPUTER: UPSTREAM
 - 6.4.2 FLOW COMPUTER: MIDSTREAM
 - 6.4.3 FLOW COMPUTER: DOWNSTREAM
- 6.5 LEAKAGE DETECTION SYSTEMS

7 OIL & GAS AUTOMATION & INSTRUMENTATION MARKET, BY OPERATION

- 7.1 INTRODUCTION
- 7.2 UPSTREAM MARKET
- 7.3 MIDSTREAM MARKET
 - 7.3.1 INTRODUCTION
 - 7.3.2 PIPING OR THE PIPELINE
 - 7.3.3 SECONDARY LOGISTICS
- 7.4 DOWNSTREAM MARKET

8 OIL & GAS AUTOMATION & INSTRUMENTATION MARKET, BY GEOGRAPHY

- 8.1 INTRODUCTION
- 8.2 THE AMERICAS
 - 8.2.1 NORTH AMERICA
 - 8.2.1.1 United States of America
 - 8.2.1.1.1 Oil and Gas Automation will get a Big Boost with the Development of Shale Gas
 - 8.2.1.2 Canada
 - 8.2.1.3 Mexico
 - 8.2.2 SOUTH AMERICA
 - 8.2.2.1 Brazil
 - 8.2.2.1.1 Brazil's 10 Years Energy Plan of Expansion of Oil & Gas is Expected to Create a Demand for Automation
 - 8.2.2.2 Others
- 8.3 THE MIDDLE EAST
 - 8.3.1 THE MIDDLE EAST REGION IS EXPECTED TO INCREASE ITS OIL & GAS PRODUCTION TO MEET THE INCREASING DEMAND FROM APAC
 - 8.3.1.1 Saudi Arabia
 - 8.3.1.2 Iran
 - 8.3.1.3 Iraq
 - 8.3.1.4 United Arab Emirates
 - 8.3.1.5 Kuwait
 - 8.3.1.6 Others
- 8.4 AFRICA
- 8.5 EUROPE
 - 8.5.1 NORWAY
 - 8.5.2 OTHERS
- 8.6 APAC
 - 8.6.1 INCREASING DEMAND OF OIL & GAS IS EXPECTED TO INCREASE THE DEMAND OF AUTOMATION

8.6.1.1 China

8.6.1.1.1 Demand from the Growing Population will, Further, Push the Efficient Production of Oil and Gas

8.6.1.2 India

8.6.1.2.1 Rapid Industrialization, Coupled with Increasing Living Standard have Created Demand for Oil & Gas

8.6.1.3 Malaysia

8.6.1.4 Others

8.7 REST OF THE WORLD

8.7.1 RUSSIA

8.7.1.1 Focus on Increasing the New Gas Reserves is Expected to Create more Demand for the Oil and Gas Automation

8.7.2 KAZAKHSTAN

8.7.3 AZERBAIJAN

9 COMPETITIVE LANDSCAPE

9.1 INTRODUCTION

9.2 MARKET SHARE ANALYSIS

9.3 KEY GROWTH STRATEGIES

9.4 COMPETITIVE SITUATION AND TREND

9.4.1 NEW PRODUCT LAUNCH/DEVELOPMENT

9.4.1.1 Mergers & Acquisitions

9.4.1.2 Collaboration/Partnership/Agreement/ Joint Venture

9.4.2 CONTRACTS

9.4.2.1 Others

10 COMPANY PROFILES (OVERVIEW, PRODUCTS AND SERVICES, FINANCIALS, STRATEGY & DEVELOPMENT)

10.1 ABB LTD.

10.2 ALSTOM SA

10.3 BAKER HUGHES INC

10.4 BP PLC

10.5 EATON CORP PLC

10.6 EMERSON PROCESS MANAGEMENT

10.7 ENDRESS+HAUSER AG

10.8 GENERAL ELECTRIC CORPORATION

10.9 HALLIBURTON CORPORATION

- 10.10 HONEYWELL PROCESS SOLUTIONS
- 10.11 INTECH PROCESS AUTOMATION INC
- 10.12 IOG SOLUTIONS
- 10.13 KONGSBERG GRUPPEN ASA
- 10.14 MITSUBISHI ELECTRIC CORPORATION
- 10.15 OIL INDIA LTD.
- 10.16 OMRON CORPORATION
- 10.17 PETROFAC LIMITED
- 10.18 ROCKWELL AUTOMATION INC
- 10.19 ROYAL DUTCH SHELL PLC
- 10.20 SCHLUMBERGER LIMITED
- 10.21 SCHNEIDER ELECTRIC SA
- 10.22 SIEMENS AG
- 10.23 SIGIT INC
- 10.24 TYCO INTERNATIONAL LTD
- 10.25 WEATHERFORD INTERNATIONAL LTD
- 10.26 YOKOGAWA ELECTRIC CO (Details on Overview, Products and Services, Financials, Strategy & Development might not be Captured in case of Unlisted Companies.)

List Of Tables

LIST OF TABLES

TABLE 1 GENERAL ASSUMPTIONS, TERMINOLOGY AND APPLICATION KEY NOTES FOR OIL & GAS AUTOMATION & INSTRUMENTATION MARKET

TABLE 2 GLOBAL PROCESS AUTOMATION & INSTRUMENTATION MARKET VALUE IN OIL AND GAS INDUSTRY, BY TECHNOLOGY, 2013 - 2020 (\$BILLION)

TABLE 3 PROCESS AUTOMATION MARKET VALUE IN OIL & GAS INDUSTRY, BY TECHNOLOGY, 2013 - 2020 (\$BILLION)

TABLE 4 TYPES OF SCADA ARCHITECTURES

TABLE 5 TOP FIVE PLC COMPANIES

TABLE 6 PLC PROPERTIES & THEIR SPECIFICATIONS

TABLE 7 ADVANTAGEOUS PROPERTIES OF PLC

TABLE 8 PROCESS AUTOMATION MARKET VALUE IN OIL & GAS INDUSTRY, BY OPERATION, 2013 - 2020 (\$BILLION)

TABLE 9 PROCESS AUTOMATION MARKET VALUE IN OIL & GAS INDUSTRY, BY GEOGRAPHY, 2013 - 2020 (\$BILLION)

TABLE 10 THE AMERICAS: PROCESS AUTOMATION MARKET VALUE IN OIL & GAS INDUSTRY, BY GEOGRAPHY, 2013 - 2020 (\$BILLION)

TABLE 11 NORTH AMERICA: PROCESS AUTOMATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 12 SOUTH AMERICA: PROCESS AUTOMATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 13 THE MIDDLE EAST: PROCESS AUTOMATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 14 APAC: PROCESS AUTOMATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 15 EUROPE: PROCESS AUTOMATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 16 ROW: PROCESS AUTOMATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 17 PROCESS INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY TECHNOLOGY, 2013 - 2020 (\$BILLION)

TABLE 18 ADVANTAGES & DISADVANTAGES OF HYDROSTATIC PRESSURE

TABLE 19 ADVANTAGES & DISADVANTAGES OF ULTRASONIC-LEVEL SENSOR

TABLE 20 ADVANTAGES & DISADVANTAGES OF CAPACITIVE OPERATION

TABLE 21 ADVANTAGES & DISADVANTAGES OF GUIDED WAVE RADAR

TABLE 22 PROCESS INSTRUMENTATION MARKET VALUE IN OIL & GAS

INDUSTRY, BY OPERATION, 2013 - 2020 (\$BILLION)

TABLE 23 PROCESS INSTRUMENTATION MARKET VALUE IN OIL & GAS

INDUSTRY, BY GEOGRAPHY, 2013 - 2020 (\$MILLION)

TABLE 24 THE AMERICAS: PROCESS INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY GEOGRAPHY, 2013 - 2020 (\$MILLION)

TABLE 25 NORTH AMERICA: PROCESS INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 26 SOUTH AMERICA: PROCESS INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 27 THE MIDDLE EAST: PROCESS INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 28 APAC: PROCESS INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 29 EUROPE: PROCESS INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 30 ROW: PROCESS INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 31 PROCESS ANALYZER MARKET VALUE IN OIL & GAS INDUSTRY, BY TECHNOLOGY, 2013 - 2020 (\$BILLION)

TABLE 32 PROCESS ANALYZER MARKET VALUE IN OIL & GAS INDUSTRY, BY OPERATION, 2013 - 2020 (\$BILLION)

TABLE 33 PROCESS ANALYZER MARKET VALUE IN OIL & GAS INDUSTRY, BY GEOGRAPHY, 2013 - 2020 (\$MILLION)

TABLE 34 THE AMERICAS: PROCESS ANALYZER MARKET VALUE IN OIL & GAS INDUSTRY, BY GEOGRAPHY, 2013 - 2020 (\$MILLION)

TABLE 35 NORTH AMERICA: PROCESS ANALYZER MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 36 SOUTH AMERICA: PROCESS ANALYZER MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 37 THE MIDDLE EAST: PROCESS ANALYZER MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 38 APAC: PROCESS ANALYZER MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 39 EUROPE: PROCESS ANALYZER MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 40 ROW: PROCESS ANALYZER MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 41 FLOW COMPUTERS MARKET VALUE IN OIL & GAS INDUSTRY, BY GEOGRAPHY, 2013 - 2020 (\$MILLION)

TABLE 42 THE AMERICAS: FLOW COMPUTERS MARKET VALUE IN OIL & GAS INDUSTRY, BY GEOGRAPHY, 2013 - 2020 (\$MILLION)

TABLE 43 NORTH AMERICA: FLOW COMPUTERS MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 44 SOUTH AMERICA: FLOW COMPUTERS MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 45 THE MIDDLE EAST: FLOW COMPUTERS MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 46 APAC: FLOW COMPUTERS MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 47 EUROPE: FLOW COMPUTERS MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 48 ROW: FLOW COMPUTERS MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 49 GLOBAL LEAKAGE DETECTION SYSTEM MARKET VALUE IN OIL & GAS INDUSTRY, BY GEOGRAPHY, 2013 - 2020 (\$MILLION)

TABLE 50 THE AMERICAS: LEAKAGE DETECTION SYSTEM MARKET VALUE IN OIL & GAS INDUSTRY, BY GEOGRAPHY, 2013 - 2020 (\$MILLION)

TABLE 51 NORTH AMERICA: LEAKAGE DETECTION SYSTEM MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 52 SOUTH AMERICA: LEAKAGE DETECTION SYSTEM MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 53 THE MIDDLE EAST: LEAKAGE DETECTION SYSTEM MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 54 APAC: LEAKAGE DETECTION SYSTEM MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 55 EUROPE: LEAKAGE DETECTION SYSTEM MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 56 ROW: LEAKAGE DETECTION SYSTEM MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 57 PROCESS AUTOMATION & INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY OPERATION, 2013 - 2020 (\$BILLION)

TABLE 58 UPSTREAM PROCESS AUTOMATION MARKET VALUE IN OIL & GAS INDUSTRY, BY TECHNOLOGY, 2013 - 2020 (\$BILLION)

TABLE 59 UPSTREAM PROCESS INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY TECHNOLOGY, 2013 - 2020 (\$MILLION)

TABLE 60 UPSTREAM PROCESS ANALYZER MARKET VALUE IN OIL & GAS INDUSTRY, BY TECHNOLOGY, 2013 - 2020 (\$BILLION)

TABLE 61 MIDSTREAM PROCESS AUTOMATION MARKET VALUE IN OIL & GAS

INDUSTRY, BY TECHNOLOGY, 2013 - 2020 (\$MILLION)

TABLE 62 MIDSTREAM PROCESS INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY TECHNOLOGY, 2013 - 2020 (\$MILLION)

TABLE 63 MIDSTREAM PROCESS ANALYZER MARKET VALUE IN OIL & GAS INDUSTRY, BY TECHNOLOGY, 2013 - 2020 (\$MILLION)

TABLE 64 DOWNSTREAM PROCESS AUTOMATION MARKET VALUE IN OIL & GAS INDUSTRY, BY TECHNOLOGY, 2013 - 2020 (\$MILLION)

TABLE 65 DOWNSTREAM PROCESS INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY TECHNOLOGY, 2013 - 2020 (\$MILLION)

TABLE 66 DOWNSTREAM PROCESS ANALYZER MARKET VALUE IN OIL & GAS INDUSTRY, BY TECHNOLOGY, 2013 - 2020 (\$MILLION)

TABLE 67 GLOBAL PROCESS AUTOMATION & INSTRUMENTATION MARKET VALUE IN OIL & GAS, BY GEOGRAPHY, 2013 - 2020 (\$BILLION)

TABLE 68 THE AMERICAS: PROCESS AUTOMATION & INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY GEOGRAPHY, 2013 - 2020 (\$BILLION)

TABLE 69 NORTH AMERICA: PROCESS AUTOMATION & INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$BILLION)

TABLE 70 SOUTH AMERICA: PROCESS AUTOMATION & INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 71 THE MIDDLE EAST: PROCESS AUTOMATION & INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$BILLION)

TABLE 72 EUROPE: PROCESS AUTOMATION & INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 73 APAC: PROCESS AUTOMATION & INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$MILLION)

TABLE 74 ROW: PROCESS AUTOMATION & INSTRUMENTATION MARKET VALUE IN OIL & GAS INDUSTRY, BY COUNTRY, 2013 - 2020 (\$BILLION)

TABLE 75 NEW PRODUCT LAUNCH, 2010 - 2013

TABLE 76 MERGERS & ACQUISITION, 2009 - 2013

TABLE 77 COLLABORATION/PARTNERSHIP/AGREEMENT/ JOINT VENTURES, 2013

TABLE 78 CONTRACTS, 2012 - 2013

TABLE 79 OTHER ACTIVITIES, 2011 - 2013

TABLE 80 ABB LTD.: FINANCIALS, 2011 - 2012 (\$BILLION)

TABLE 81 ALSTOM: FINANCIALS, 2012 - 2013 (\$BILLION)

TABLE 82 BAKER HUGHES: OVERALL REVENUE, 2011 - 2012 (\$BILLION)

TABLE 83 BAKER HUGHES: MARKET REVENUE, BY GEOGRAPHY, 2011 - 2012 (\$BILLION)

TABLE 84 BAKER HUGHES: MARKET REVENUE, BY SEGMENTS, 2011 - 2012 (\$BILLION)

TABLE 85 BP PLC: OVERALL REVENUE, 2011 - 2012 (\$BILLION)

TABLE 86 BP PLC: MARKET REVENUE, BY GEOGRAPHY, 2011 - 2012 (\$BILLION)

TABLE 87 BP PLC: MARKET REVENUE, BY SEGMENTS, 2011 - 2012 (\$BILLION)

TABLE 88 EATON: FINANCIALS, 2011 - 2012 (\$BILLION)

TABLE 89 EMERSON PROCESS MANAGEMENT: FINANCIALS, 2011 - 2012 (\$BILLION)

TABLE 90 ENDRESS+HAUSER: OVERALL REVENUE, 2011 - 2012 (\$BILLION)

TABLE 91 GENERAL ELECTRIC CORPORATION: OVERALL REVENUE, 2011 - 2012 (\$BILLION)

TABLE 92 GENERAL ELECTRIC CORPORATION: MARKET REVENUE, BY OPERATING SEGMENTS, 2011 - 2012 (\$BILLION)

TABLE 93 GENERAL ELECTRIC CORPORATION: MARKET REVENUE, BY GEOGRAPHY, 2011 - 2012 (\$BILLION)

TABLE 94 HALLIBURTON: OVERALL REVENUE, 2011 - 2012 (\$BILLION)

TABLE 95 HALLIBURTON: MARKET REVENUE, BY GEOGRAPHY, 2011 - 2012 (\$BILLION)

TABLE 96 HALLIBURTON: MARKET REVENUE, BY SEGMENTS, 2011 - 2012 (\$BILLION)

TABLE 97 HONEYWELL: FINANCIALS, 2011 - 2012 (\$BILLION)

TABLE 98 KONGSBERG GRUPPEN: OVERALL REVENUE, 2011 - 2012 (\$MILLION)

TABLE 99 KONGSBERG GRUPPEN: MARKET REVENUE, BY SEGMENTS, 2011 - 2012 (\$MILLION)

TABLE 100 OIL INDIA LTD.: OVERALL REVENUE, 2012 - 2013 (\$MILLION)

TABLE 101 OIL INDIA LTD.: CONSOLIDATED REVENUE, BY SEGMENTS, 2012 - 2013 (\$BILLION)

TABLE 102 OMRON CORPORATION: OVERALL REVENUE, 2012 - 2013 (\$BILLION)

TABLE 103 OMRON CORPORATION: MARKET REVENUE, BY BUSINESS SEGMENT, 2011 - 2012 (\$BILLION)

TABLE 104 OMRON CORPORATION: MARKET REVENUE, BY GEOGRAPHY, 2012 - 2013 (\$BILLION)

TABLE 105 PETROFAC: OVERALL REVENUE, 2011 - 2012 (\$BILLION)

TABLE 106 PETROFAC: MARKET REVENUE, BY REPORTING SEGMENTS, 2011 - 2012 (\$BILLION)

TABLE 107 PETROFAC: MARKET REVENUE, BY GEOGRAPHY, 2011 - 2012 (\$BILLION)

TABLE 108 ROCKWELL AUTOMATION: FINANCIALS, 2011 - 2012 (\$MILLION)

TABLE 109 SHELL: FINANCIALS, 2011 - 2012 (\$BILLION)

TABLE 110 SHELL: MARKET REVENUE, BY GEOGRAPHY, 2011 - 2012 (\$BILLION)

TABLE 111 SHELL: MARKET REVENUE, BY SEGMENT, 2011 - 2012 (\$BILLION)

TABLE 112 SCHLUMBERGER: OVERALL REVENUE, 2011 - 2012 (\$BILLION)

TABLE 113 SCHLUMBERGER: MARKET REVENUE, BY GEOGRAPHY, 2011 - 2012 (\$BILLION)

TABLE 114 SCHLUMBERGER: MARKET REVENUE, BY SEGMENTS, 2011 - 2012 (\$BILLION)

TABLE 115 SCHNEIDER ELECTRIC: FINANCIALS, 2011 - 2012 (\$BILLION)

TABLE 116 SIEMENS: OVERALL REVENUE, 2011 - 2012 (\$BILLION)

TABLE 117 TYCO: OVERALL REVENUE, 2011 - 2012 (\$BILLION)

TABLE 118 TYCO: MARKET REVENUE, BY GEOGRAPHY, 2012 (\$BILLION)

TABLE 119 TYCO: MARKET REVENUE, BY SEGMENTS, 2012 (\$BILLION)

TABLE 120 WEATHERFORD: OVERALL REVENUE, 2011 - 2012 (\$BILLION)

TABLE 121 WEATHERFORD: REVENUE, BY GEOGRAPHY, 2011 - 2012 (\$BILLION)

TABLE 122 WEATHERFORD: MARKET REVENUE, BY SEGMENTS, 2011 - 2012 (\$BILLION)

TABLE 123 YOKOGAWA: OVERALL REVENUE, 2012 - 2013 (\$MILLION)

List Of Figures

LIST OF FIGURES

FIGURE 1 PROCESS AUTOMATION & INSTRUMENTATION MARKET IN OIL & GAS INDUSTRY SEGMENTATION

FIGURE 2 RESEARCH METHODOLOGY OF PROCESS AUTOMATION & INSTRUMENTATION MARKET IN OIL & GAS INDUSTRY

FIGURE 3 MARKET SIZE ESTIMATION

FIGURE 4 MARKET CRACKDOWN AND DATA TRIANGULATION

FIGURE 5 SEGMENTATION OF PROCESS AUTOMATION & INSTRUMENTATION MARKET IN OIL & GAS INDUSTRY

FIGURE 6 PROCESS AUTOMATION & INSTRUMENTATION MARKET SEGMENTATION IN OIL & GAS INDUSTRY BY GEOGRAPHY

FIGURE 7 EVOLUTION OF GLOBAL PROCESS AUTOMATION & INSTRUMENTATION MARKET IN OIL & GAS INDUSTRY

FIGURE 8 PROCESS AUTOMATION & INSTRUMENTATION MARKET IN OIL & GAS INDUSTRY: MARKET DRIVERS – IMPACT ANALYSIS, 2013 - 2020

FIGURE 9 PROCESS AUTOMATION & INSTRUMENTATION MARKET RESTRAINTS – IMPACT ANALYSIS

FIGURE 10 PROCESS AUTOMATION & INSTRUMENTATION MARKET OPPORTUNITY – IMPACT ANALYSIS

FIGURE 11 CRUDE OIL PRICE (\$/BARREL) AT WEST TEXAS INTERMEDIATE (WTI) – (JAN 2011 – SEPT 2013)

FIGURE 12 PROCESS AUTOMATION & INSTRUMENTATION IN OIL AND GAS: VALUE CHAIN

FIGURE 13 PROCESS AUTOMATION & INSTRUMENTATION PORTER'S FIVE FORCE ANALYSIS

FIGURE 14 PORTER'S FIVE FORCE ANALYSIS: THREAT FROM NEW ENTRANTS

FIGURE 15 PORTER'S FIVE FORCE ANALYSIS: THREAT FROM SUBSTITUTES

FIGURE 16 PORTER'S FIVE FORCE ANALYSIS: BARGAINING POWER OF SUPPLIERS

FIGURE 17 PORTER'S FIVE FORCE ANALYSIS: BARGAINING POWER OF CUSTOMERS

FIGURE 18 PORTER'S FIVE FORCE ANALYSIS: DEGREE OF COMPETITION

FIGURE 19 PROCESS AUTOMATION MARKET SEGMENTATION, BY TECHNOLOGY, IN OIL & GAS

FIGURE 20 VALUE CHAIN OF A TYPICAL MES SYSTEM

FIGURE 21 CHANGES IN THE MANUFACTURING PROCESSES BEFORE & AFTER

MES IMPLEMENTATION**FIGURE 22 BENEFITS OF MES****FIGURE 23 AFRICA: ANNUAL PROCESS AUTOMATION MARKET VALUE IN OIL & GAS INDUSTRY ANALYSIS, 2013 - 2020 (\$MILLION)****FIGURE 24 TYPES OF SENSORS FOR PROCESS INSTRUMENTATION****FIGURE 25 CLASSIFICATION OF INTELLIGENT TEMPERATURE TRANSMITTERS****FIGURE 26 OPERATION PRINCIPLES FOR LEVEL MEASUREMENT TECHNIQUES****FIGURE 27 AFRICA: PROCESS INSTRUMENTATION MARKET VALUE ANALYSIS FOR OIL & GAS INDUSTRY, 2013 - 2020 (\$MILLION)****FIGURE 28 AFRICA: ANNUAL PROCESS ANALYZER MARKET VALUE IN OIL & GAS INDUSTRY TREND, 2013 - 2020 (\$MILLION)****FIGURE 29 ANNUAL FLOW COMPUTERS MARKET VALUE TREND IN OIL & GAS INDUSTRY, 2013 - 2020 (\$MILLION)****FIGURE 30 AFRICA: ANNUAL FLOW COMPUTERS MARKET VALUE TREND IN OIL & GAS INDUSTRY, 2013 - 2020 (\$MILLION)****FIGURE 31 ANNUAL LEAKAGE DETECTION SYSTEMS MARKET VALUE ANALYSIS IN OIL & GAS INDUSTRY, 2013 - 2020 (\$BILLION)****FIGURE 32 AFRICA: ANNUAL LEAKAGE DETECTION SYSTEM MARKET VALUE ANALYSIS IN OIL & GAS INDUSTRY, 2013 - 2020 (\$MILLION)****FIGURE 33 SEGMENTATION OF PROCESS AUTOMATION & INSTRUMENTATION MARKET IN OIL & GAS INDUSTRY, BY GEOGRAPHY****FIGURE 34 GLOBAL PROCESS AUTOMATION & INSTRUMENTATION MARKET VALUE SHARE IN OIL & GAS INDUSTRY, BY GEOGRAPHY, 2013 VS 2020 (\$BILLION)****FIGURE 35 AFRICA: ANNUAL PROCESS AUTOMATION & INSTRUMENTATION MARKET VALUE TREND IN OIL & GAS INDUSTRY, 2013 - 2020 (\$BILLION)****FIGURE 36 MARKET SHARE: PROCESS AUTOMATION PLAYERS: 2013****FIGURE 37 KEY GROWTH STRATEGIES****FIGURE 38 ABB: PRODUCTS & SERVICES****FIGURE 39 ABB: DISCRETE AUTOMATION AND MOTION****FIGURE 40 ABB LTD.: REVENUE, BY DIVISIONS, 2012 (%)****FIGURE 41 ABB LTD.: REVENUE, BY GEOGRAPHY, 2012 (%)****FIGURE 42 ABB LTD.: SWOT ANALYSIS****FIGURE 43 ALSTOM GROUP: PRODUCTS & SERVICES****FIGURE 44 ALSTOM GROUP: "POWER" SEGMENT****FIGURE 45 ALSTOM GROUP: SWOT ANALYSIS****FIGURE 46 BAKER HUGHES: PRODUCTS & SERVICES****FIGURE 47 BAKER HUGHES: SWOT ANALYSIS****FIGURE 48 BP PLC: PRODUCTS & SERVICES**

FIGURE 49 BP PLC: SWOT ANALYSIS
FIGURE 50 EATON: PRODUCTS & SERVICES
FIGURE 51 EATON: SWOT ANALYSIS
FIGURE 52 EMERSON PROCESS MANAGEMENT: PRODUCTS & SERVICES
FIGURE 53 EMERSON PROCESS MANAGEMENT: SWOT ANALYSIS
FIGURE 54 ENDRESS+HAUSER: PRODUCTS & SERVICES
FIGURE 55 ENDRESS+HAUSER: REVENUE-SPLIT, BY GEOGRAPHY, 2012 (BY %)
FIGURE 56 ENDRESS+HAUSER: SWOT ANALYSIS
FIGURE 57 GENERAL ELECTRIC CORPORATION: PRODUCTS & SERVICES
FIGURE 58 GENERAL ELECTRIC CORPORATION: SWOT ANALYSIS
FIGURE 59 HALLIBURTON: PRODUCTS & SERVICES
FIGURE 60 HALLIBURTON: SWOT ANALYSIS
FIGURE 61 HPS: PRODUCTS & SERVICES
FIGURE 62 HPS: SWOT ANALYSIS
FIGURE 63 INTECH: PRODUCTS & SERVICES
FIGURE 64 INTECH: SWOT ANALYSIS
FIGURE 65 IOG SOLUTIONS: PRODUCTS & SERVICES
FIGURE 66 KONGSBERG GRUPPEN: PRODUCTS & SERVICES
FIGURE 67 KONGSBERG GRUPPEN: REVENUE DISTRIBUTION, BY GEOGRAPHY, 2012 (%)
FIGURE 68 KONGSBERG: SWOT ANALYSIS
FIGURE 69 MITSUBISHI ELECTRIC: PRODUCTS & SERVICES
FIGURE 70 MITSUBISHI ELECTRIC: SWOT ANALYSIS
FIGURE 71 OIL INDIA LTD.: PRODUCTS & SERVICES
FIGURE 72 OIL INDIA LTD.: SWOT ANALYSIS
FIGURE 73 OMRON: PRODUCTS & SERVICES
FIGURE 74 OMRON: INDUSTRIAL AUTOMATION 1
FIGURE 75 OMRON: SWOT ANALYSIS
FIGURE 76 PETROFAC: PRODUCTS & SERVICES
FIGURE 77 ECOM: BUSINESS UNITS
FIGURE 78 IES: BUSINESS UNITS
FIGURE 79 GE: SWOT ANALYSIS
FIGURE 80 ROCKWELL AUTOMATION: PRODUCTS & SERVICES
FIGURE 81 ROCKWELL AUTOMATION: SWOT ANALYSIS
FIGURE 82 SHELL: PRODUCTS & SERVICES
FIGURE 83 SHELL: SWOT ANALYSIS
FIGURE 84 PRODUCTS & SERVICES
FIGURE 85 SCHLUMBERGER: SWOT ANALYSIS
FIGURE 86 SCHNEIDER ELECTRIC: REVENUE SPLIT, BY GEOGRAPHY, 2012

FIGURE 87 SCHNEIDER ELECTRIC: REVENUE SPLIT, BY SEGMENT, 2012

FIGURE 88 SCHNEIDER ELECTRIC: SWOT ANALYSIS

FIGURE 89 SIEMENS: PRODUCTS & SERVICES

FIGURE 90 SIEMENS: SWOT ANALYSIS

FIGURE 91 SIGIT: PRODUCTS & SERVICES

FIGURE 92 SIGIT: SWOT ANALYSIS

FIGURE 93 TYCO: PRODUCTS & SERVICES

FIGURE 94 TYCO: SWOT ANALYSIS

FIGURE 95 WEATHERFORD: PRODUCTS & SERVICES

FIGURE 96 WEATHERFORD: SWOT ANALYSIS

FIGURE 97 YOKOGAWA: PRODUCTS & SERVICES

FIGURE 98 YOKOGAWA: SWOT ANALYSIS

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