

Water Automation and Instrumentation Market by Process stage (Collection, Treatment and Distribution), Automation Technology, Instrumentation, End user Application and Geography - Analysis & Forecast (2014 - 2020)

<https://marketpublishers.com/r/WCA5B0E0607EN.html>

Date: August 2014

Pages: 282

Price: US\$ 5,650.00 (Single User License)

ID: WCA5B0E0607EN

Abstracts

The automation and instrumentation technology is gaining value due to its applications in the water industry. The applications of automation and instrumentation such as industrial, commercial and agriculture are enjoying a high market size in terms of value in the water automation and instrumentation market. The water automation and instrumentation market has the highest market share in developed economies such as the Americas. The APAC and the Middle East are also estimated to grow at a high rate in the forecast period.

The water automation and instrumentation market analyzes the ecosystem of the industry, and the key market by process stage that includes collection, treatment and distribution of water and by technology that includes distribution control system, supervisory control and data acquisition, programmable logic controller, human machine interface, manufacturing execution system, identity & access management, and laboratory information management system. The instrument segment covers the pressure transmitter, level transmitter, temperature transmitter, electromagnetic flow meters, sludge density measurement, gas and liquid analyzer, leakage detection systems and high and low AC drives. The application segment covers the market share of different applications for water automation and instrumentation. The report also provides the geographic view for major regions such as the Americas, Europe, Middle East, Asia-Pacific (APAC), and Africa. This report also discusses the burning issues, market dynamics, and winning imperatives for the water automation and instrumentation market.

The key players active in the market are General Electric (U.S.), Siemens AG (Germany), ABB (Switzerland), Emerson Electric (US), and Rockwell Automation (U.S.) among others.

The report provides a detailed view of the water automation and instrumentation market with regards to the process stage, automation technology, instrumentation and end user; it also presents a detailed market segmentation, with qualitative and quantitative analysis of each and every aspect of the segmentation; done by process stage, automation technology, instrumentation, end user, and geography. All the numbers in terms of the volume and value, at every level of report, are projected from 2014-2020.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES
- 1.2 REPORT DESCRIPTION
- 1.3 MARKETS COVERED
- 1.4 STAKEHOLDERS
- 1.5 RESEARCH METHODOLOGY
 - 1.5.1 MARKET SIZE
 - 1.5.2 KEY DATA TAKEN FROM SECONDARY SOURCES
 - 1.5.3 KEY DATA TAKEN FROM PRIMARY SOURCES
 - 1.5.4 ASSUMPTIONS MADE FOR THIS REPORT
 - 1.5.5 LIST OF COMPANIES COVERED DURING PRIMARIES

2 EXECUTIVE SUMMARY

3 COVER STORY: EXPERT INTERVIEW

4 MARKET OVERVIEW

- 4.1 MARKET DEFINITION
- 4.2 EVOLUTION OF PROCESS AUTOMATION
- 4.3 MARKET DYNAMICS
 - 4.3.1 MARKET DRIVERS
 - 4.3.1.1 Need for a smart water system due to water scarcity
 - 4.3.1.2 The need of automated processing systems due to the growing complexities in the water system
 - 4.3.1.3 Growing investments in infrastructure through public and private partnerships
 - 4.3.1.4 Increasing labor wages expected to drive the process automation landscape
 - 4.3.2 RESTRAINTS
 - 4.3.2.1 Slow growth in the saturated markets: a cause of concern among the suppliers
 - 4.3.2.2 The lack of talent is expected to negatively impact the market
 - 4.3.3 OPPORTUNITIES
 - 4.3.3.1 The emerging economies present tremendous growth opportunities
- 4.4 BURNING ISSUE
 - 4.4.1 CYBER THREAT: A MAJOR VULNERABILITY TO THE AUTOMATED SYSTEMS

4.5 WINNING IMPERATIVES

4.5.1 IMPROVED CUSTOMER SERVICE IS PIVOTAL FOR THE WATER
AUTOMATION AND INSTRUMENTATION MARKET

4.5.2 IMPLEMENTATION OF THE LATEST IT AND TELECOM INFRASTRUCTURE
WITHIN THE WATER AUTOMATION SYSTEM WILL BE A GAME CHANGER

4.6 VALUE CHAIN ANALYSIS

4.7 PORTER'S FIVE FORCE ANALYSIS

4.7.1 THREATS OF NEW ENTRANTS

4.7.2 THREATS FROM SUBSTITUTES

4.7.3 BARGAINING POWER OF SUPPLIERS

4.7.4 BARGAINING POWER OF BUYERS

4.7.5 DEGREE OF COMPETITION

5 MARKET BY PROCESS STAGE

5.1 INTRODUCTION

5.2 COLLECTION OF WATER

5.2.1 WIRELESS MONITORING OF WASTEWATER COLLECTION SYSTEM

5.3 TREATMENT OF WATER

5.3.1 APPLICATION OF PROCESS AUTOMATION IN WATER/WASTEWATER
MANAGEMENT

5.4 DISTRIBUTION OF WATER

5.4.1 DEAD END SYSTEM

5.4.2 RADIAL SYSTEM

5.4.3 GRID SYSTEM

5.4.4 RING SYSTEM

5.4.5 METHOD OF WATER DISTRIBUTION

5.4.5.1 Gravity system

5.4.5.2 Pumping system

5.4.5.3 Combined system

5.4.5.4 Application of Process Automation in water distribution system

6 MARKET BY AUTOMATION TECHNOLOGY

6.1 INTRODUCTION

6.2 DISTRIBUTED CONTROL SYSTEM (DCS)

6.3 SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)

6.4 PROGRAMMABLE LOGIC CONTROLLER (PLC)

6.5 HUMAN MACHINE INTERFACE (HMI)

6.6 MANUFACTURING EXECUTION SYSTEMS (MES)

6.7 IDENTITY & ACCESS MANAGEMENT (IAM)

6.8 LABORATORY INFORMATION MANAGEMENT SYSTEM (LIMS)

7 MARKET BY INSTRUMENTATION

7.1 INTRODUCTION

7.2 PRESSURE TRANSMITTER

7.3 LEVEL TRANSMITTER

7.3.1 HYDROSTATIC OPERATING PRINCIPLE

7.3.2 ULTRASONIC OPERATING PRINCIPLE

7.3.3 CAPACITIVE OPERATION

7.3.4 GUIDED WAVE RADAR

7.4 ELECTROMAGNETIC FLOWMETERS

7.5 SLUDGE DENSITY MEASUREMENT

7.6 GAS AND LIQUID ANALYZER

7.7 LEAKAGE DETECTION SYSTEMS

7.8 CONTROL VALVES

7.9 HIGH AND LOW AC DRIVES

7.10 OTHERS

8 MARKET BY END-USER APPLICATION

8.1 INTRODUCTION

8.2 DRINKING WATER

8.3 HOUSEHOLD WATER (OTHER THAN DRINKING WATER)

8.4 COMMERCIAL WATER

8.5 INDUSTRIAL WATER

8.6 AGRICULTURE

8.7 OTHERS

9 MARKET BY GEOGRAPHY

9.1 INTRODUCTION

9.2 AMERICAS

9.2.1 NORTH AMERICA

9.2.1.1 U.S.

9.2.1.2 Canada

9.2.1.3 Mexico

9.2.2 SOUTH AMERICA

9.3 EUROPE

9.3.1 GERMANY

9.3.2 U.K.

9.3.3 FRANCE

9.3.4 ITALY

9.4 APAC

9.4.1 AUSTRALIA

9.4.2 CHINA

9.4.3 JAPAN

9.4.4 SOUTH KOREA

9.4.5 INDIA

9.5 MIDDLE EAST

9.5.1 EGYPT

9.5.2 KUWAIT

9.5.3 QATAR

9.5.4 SAUDI ARABIA

9.5.5 UNITED ARAB EMIRATES

9.6 AFRICA

10 COMPETITIVE LANDSCAPE

10.1 INTRODUCTION

10.1.1 KEY GROWTH STRATEGIES

10.1.2 MAJOR COMPANIES AND THEIR RANKINGS

10.1.3 NEW PRODUCT DEVELOPMENTS IN AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY

10.1.4 CONTRACTS IN AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET

10.1.5 PARTNERSHIPS AND COLLABORATIONS IN AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET

10.1.6 ACQUISITIONS IN AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET

10.1.7 BUSINESS EXPANSION IN AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET

10.1.8 OTHERS (AWARDS, RECOGNITIONS, CERTIFICATIONS AND UPGRADATION) IN AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET

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

11.1 ABB LTD.

11.2 CH2M HILL INC.

11.3 EMERSON ELECTRIC CO.

11.4 ENDRESS+HAUSER AG

11.5 GENERAL ELECTRIC

11.6 MITSUBISHI ELECTRIC CORP

11.7 PEPPERL+FUCHS

11.8 ROCKWELL AUTOMATION INC.

11.9 SIEMENS AG

11.1 YOKOGAWA ELECTRIC CORPORATION (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 IMPACT ANALYSIS OF MARKET DRIVERS

TABLE 2 IMPACT ANALYSIS OF MARKET RESTRAINTS

TABLE 3 AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY PROCESS STAGE, 2012-2020 (\$MILLION)

TABLE 4 COLLECTION: AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY AUTOMATION TECHNOLOGY, 2012-2020 (\$MILLION)

TABLE 5 TREATMENT: AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY AUTOMATION TECHNOLOGY, 2012-2020 (\$MILLION)

TABLE 6 DISTRIBUTION: AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY AUTOMATION TECHNOLOGY, 2012-2020 (\$MILLION)

TABLE 7 AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY TECHNOLOGY, 2012-2020 (\$MILLION)

TABLE 8 DCS: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 9 DCS: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 10 TYPES OF SCADA ARCHITECTURES

TABLE 11 SCADA: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 12 SCADA: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 13 PLC: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 14 PLC: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 15 HMI: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 16 HMI: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 17 MES: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 18 MES: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY

GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 19 IAM: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 20 IAM: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 21 LIMS: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 22 LIMS: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 23 INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY INSTRUMENTATION, 2012-2020 (\$MILLION)

TABLE 24 PRESSURE TRANSMITTER: WATER INSTRUMENTATION INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 25 PRESSURE TRANSMITTER: WATER INSTRUMENTATION INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 26 LEVEL TRANSMITTER: WATER INSTRUMENTATION INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 27 LEVEL TRANSMITTER: WATER INSTRUMENTATION INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 28 ADVANTAGES AND DISADVANTAGES OF HYDROSTATIC PRESSURE

TABLE 29 ADVANTAGES AND DISADVANTAGES OF ULTRASONIC

TABLE 30 ADVANTAGES AND DISADVANTAGES OF CAPACITIVE

TABLE 31 ADVANTAGES AND DISADVANTAGES OF GUIDED WAVE RADAR

TABLE 32 ELECTROMAGNETIC FLOWMETER: WATER INSTRUMENTATION INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 33 ELECTROMAGNETIC FLOWMETER: WATER INSTRUMENTATION INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 34 SLUDGE DENSITY MEASUREMENT: WATER INSTRUMENTATION INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 35 SLUDGE DENSITY MEASUREMENT: WATER INSTRUMENTATION INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 36 GAS AND LIQUID ANALYZER: WATER INSTRUMENTATION INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 37 GAS AND LIQUID ANALYZER: AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 38 LEAKAGE DETECTION SYSTEMS: WATER INSTRUMENTATION INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 39 LEAKAGE DETECTION SYSTEMS: WATER INSTRUMENTATION INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 40 CONTROL VALVES: WATER INSTRUMENTATION INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 41 CONTROL VALVES: AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 42 HIGH & LOW AC DRIVES: INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 43 HIGH & LOW AC DRIVES: AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY APPLICATION, 2012-2020 (\$MILLION)

TABLE 44 OTHERS: AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 45 OTHERS: AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 46 AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 47 AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 48 INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY END USER APPLICATION, 2012-2020 (\$MILLION)

TABLE 49 DRINKING WATER: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 50 DRINKING WATER: INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 51 HOUSEHOLD: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 52 HOUSEHOLD: INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 53 COMMERCIAL: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 54 COMMERCIAL: INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 55 WATER USAGE IN INDUSTRIAL APPLICATIONS

TABLE 56 INDUSTRIAL: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 57 INDUSTRIAL: INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 58 AGRICULTURE: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 59 AGRICULTURE: INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 60 OTHERS: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 61 OTHERS: INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 62 AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 63 AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY, 2012-2020 (\$MILLION)

TABLE 64 INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY GEOGRAPHY 2012-2020 (\$MILLION)

TABLE 65 AMERICAS: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY REGION, 2012-2020 (\$MILLION)

TABLE 66 AMERICAS: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY COUNTRY, 2012-2020 (\$MILLION)

TABLE 67 AMERICAS: INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY REGION, 2012-2020 (\$MILLION)

TABLE 68 AMERICAS: INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY COUNTRY, 2012-2020 (\$MILLION)

TABLE 69 LATIN AMERICA'S FIVE LARGEST WASTEWATER TREATMENT PLANT PROJECTS

TABLE 70 AMERICAS: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY COUNTRY, 2012-2020 (\$MILLION)

TABLE 71 AMERICAS: INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY REGION, 2012-2020 (\$MILLION)

TABLE 72 AMERICAS: INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY COUNTRY, 2012-2020 (\$MILLION)

TABLE 73 EUROPE: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY COUNTRY, 2012-2020 (\$MILLION)

TABLE 74 EUROPE: INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY COUNTRY, 2012-2020 (\$MILLION)

TABLE 75 APAC: INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY COUNTRY, 2012-2020 (\$MILLION)

TABLE 76 APAC: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY COUNTRY, 2012-2020 (\$MILLION)

TABLE 77 MIDDLE EAST: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY COUNTRY, 2012-2020 (\$MILLION)

TABLE 78 MIDDLE EAST: INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY COUNTRY, 2012-2020 (\$MILLION)

TABLE 79 AFRICA: AUTOMATION IN WATER INDUSTRY MARKET SIZE, BY

COUNTRY, 2012-2020 (\$MILLION)

TABLE 80 AFRICA: INSTRUMENTATION IN WATER INDUSTRY MARKET SIZE, BY
COUNTRY, 2012-2020 (\$MILLION)

TABLE 81 MARKET RANKINGS OF KEY PLAYERS 2013 (\$BILLION)

TABLE 82 NEW PRODUCT DEVELOPMENTS

TABLE 83 CONTRACTS

TABLE 84 PARTNERSHIPS AND COLLABORATIONS

TABLE 85 ACQUISITIONS

TABLE 86 BUSINESS EXPANSION

TABLE 87 OTHERS (AWARDS, RECOGNITIONS, CERTIFICATIONS AND
UPGRADATION)

TABLE 88 PEPPERL+FUCHS: COMPANY SNAPSHOT

List Of Figures

LIST OF FIGURES

FIGURE 1 AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET SEGMENTATION

FIGURE 2 STEPS IN RESEARCH METHODOLOGY

FIGURE 3 AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY: MARKET RESEARCH STRATEGY

FIGURE 4 AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY: MARKET CRACKDOWN STRATEGY

FIGURE 5 AUTOMATION AND INSTRUMENTATION MARKET IN WATER INDUSTRY 2013-2020 (\$BILLION)

FIGURE 6 EVOLUTION OF PRODUCTION CONTROL SYSTEMS FOR PROCESS AUTOMATION

FIGURE 7 WASTEWATER TREATMENT PROCESS

FIGURE 8 AUTOMATION AND INSTRUMENTATION MARKET IN THE WATER INDUSTRY: SEGMENTATION

FIGURE 9 AUTOMATION AND INSTRUMENTATION MARKET IN WATER INDUSTRY: VALUE CHAIN

FIGURE 10 AUTOMATION AND INSTRUMENTATION MARKET IN WATER INDUSTRY: PORTER'S FIVE FORCE ANALYSIS

FIGURE 11 PORTER'S FIVE FORCE ANALYSIS: THREATS OF NEW ENTRANTS

FIGURE 12 PORTER'S FIVE FORCE ANALYSIS: THREATS FROM SUBSTITUTES

FIGURE 13 PORTER'S FIVE FORCE ANALYSIS: BARGAINING POWER OF SUPPLIER S

FIGURE 14 PORTER'S FIVE FORCE ANALYSIS: BARGAINING POWER OF BUYERS

FIGURE 15 PORTER'S FIVE FORCE ANALYSIS: DEGREE OF COMPETITION

FIGURE 16 MARKET SEGMENTATION BY PROCESS STAGE

FIGURE 17 WASTEWATER TREATMENT METHOD

FIGURE 18 TYPE OF WATER DISTRIBUTION SYSTEMS

FIGURE 19 TYPE OF WATER DISTRIBUTION SYSTEMS

FIGURE 20 MARKET SEGMENTATION: BY AUTOMATION TECHNOLOGY

FIGURE 21 AUTOMATED SYSTEMS IN INDUSTRIAL IT INFRASTRUCTURE

FIGURE 22 BASIC SCADA ARCHITECTURE

FIGURE 23 BASIC MES ARCHITECTURE

FIGURE 24 IDENTITY & ACCESS MANAGEMENT SYSTEM

FIGURE 25 MARKET SEGMENTATION: BY INSTRUMENTATION

FIGURE 26 OPERATION PRINCIPLES FOR LEVEL MEASUREMENT TECHNIQUES

FIGURE 27 TYPES OF AUTOMATIC CONTROL VALVES

FIGURE 28 MARKET SEGMENTATION – BY END USER APPLICATION

FIGURE 29 GLOBAL & REGION MARKET ANALYSIS: WATER AUTOMATION AND INSTRUMENTATION MARKET

FIGURE 30 AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET, BY GEOGRAPHY

FIGURE 31 AMERICAS AUTOMATION AND INSTRUMENTATION MARKET IN WATER INDUSTRY, BY REGION

FIGURE 32 NORTH AMERICA: AUTOMATION AND INSTRUMENTATION MARKET IN WATER INDUSTRY, BY COUNTRY

FIGURE 33 EUROPE AUTOMATION AND INSTRUMENTATION MARKET IN WATER INDUSTRY, BY COUNTRY

FIGURE 34 APAC AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET BY COUNTRY

FIGURE 35 MIDDLE EAST AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY MARKET BY COUNTRY

FIGURE 36 AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY: COMPETITIVE LANDSCAPE

FIGURE 37 KEY GROWTH STRATEGIES IN AUTOMATION AND INSTRUMENTATION IN WATER INDUSTRY

FIGURE 38 ABB LTD.: COMPANY SNAPSHOT

FIGURE 39 ABB LTD.: PRODUCT PORTFOLIO

FIGURE 40 CH2M HILL INC: COMPANY SNAPSHOT

FIGURE 41 CH2M HILL INC.: PRODUCT PORTFOLIO

FIGURE 42 CH2MHILL INC: OPERATING SEGMENTS

FIGURE 43 EMERSON ELECTRIC CO.: COMPANY SNAPSHOT

FIGURE 44 EMERSON ELECTRIC CO.: MARKETS SERVED

FIGURE 45 EMERSON PROCESS MANAGEMENT: PRODUCTS & SERVICES PORTFOLIO

FIGURE 46 EMERSON ELECTRIC CO.: SWOT ANALYSIS

FIGURE 47 ENDRESS+HAUSER AG: COMPANY SNAPSHOT

FIGURE 48 ENDRESS+HAUSER AG: PRODUCT PORTFOLIO

FIGURE 49 GENERAL ELECTRIC: COMPANY SNAPSHOT

FIGURE 50 GENERAL ELECTRIC: PRODUCTS AND SERVICES

FIGURE 51 GE WATER AND PROCESS TECHNOLOGIES: PRODUCT PORTFOLIO

FIGURE 52 GE WATER AND PROCESS TECHNOLOGIES: SWOT ANALYSIS

FIGURE 53 MITSUBISHI ELECTRIC CORP: COMPANY SNAPSHOT

FIGURE 54 MITSUBISHI ELECTRIC CORP: PRODUCTS & SERVICES

FIGURE 55 MITSUBISHI ELECTRIC CORP: SWOT ANALYSIS

FIGURE 56 PEPPERL+FUCHS: PRODUCT PORTFOLIO

FIGURE 57 ROCKWELL AUTOMATION INC: COMPANY SNAPSHOT

FIGURE 58 ROCKWELL AUTOMATION INC: PRODUCTS AND SERVICES
PORTFOLIO

FIGURE 59 ROCKWELL AUTOMATION INC: SWOT ANALYSIS

FIGURE 60 SIEMENS AG: COMPANY SNAPSHOT

FIGURE 61 SIEMENS AG: OPERATING SEGMENTS

FIGURE 62 SIEMENS AG: OPERATING SEGMENTS

FIGURE 63 SIEMENS AG: SWOT ANALYSIS

FIGURE 64 YOKOGAWA ELECTRIC CORPORATION: COMPANY SNAPSHOT

FIGURE 65 YOKOGAWA ELECTRIC CORPORATION: PRODUCTS AND SERVICES
PORTFOLIO

FIGURE 66 YOKOGAWA ELECTRIC CORPORATION: OPERATING SEGMENTS

I would like to order

Product name: Water Automation and Instrumentation Market by Process stage (Collection, Treatment and Distribution), Automation Technology, Instrumentation, End user Application and Geography - Analysis & Forecast (2014 - 2020)

Product link: <https://marketpublishers.com/r/WCA5B0E0607EN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/WCA5B0E0607EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970