Smart Water Meter Networks: Technology Overview & Market Opportunities

Description:
Growth in the smart water meter market has been dominated by Automated Meter Reading (AMR) systems rather than Advanced Metering Infrastructure (AMI) that utilizes an integrated fixed network. This trend is set to continue for the near future.

Smart Water Meter technology has made dramatic headway into the electrical utility market in recent years, enabling optimization of power and control systems in response to real time demand. The same potential exists for water utilities, where ageing infrastructure and inaccurate bill collection lead to billions of dollars in lost revenue annually. Investment in this sector is estimated to reach over $4 billion by the end of the decade. Questions remain, however, as to whether the growth in this sector is actually being realized, as high capital costs and public concern with smart meters slow down adoption.

What this Insight Report Offers:
- Market size estimates, market trends and key drivers and barriers to entry in the Water Metering Market
- An overview of Automated Metering Infrastructure Technologies for Water
- An exploration of existing metering infrastructure
- A detailed review of Innovations in knowledge management systems
- Projections for the Automated Metering Infrastructure sector

Contents:

1 Introduction

2 Technology Trends
2.1 Meter Components Breakdown
2.2 Water Meters Metrology
2.2.1 Composite Meters
2.3 Data Transmission Types
2.3.1 Signal Type and Frequency
2.3.2 AMR
2.3.3 AMI
2.3.4 Battery Life
2.4 Data Management and Analytics
2.5 Major Providers of Meter Technology
2.5.1 Companies offering innovations in smart meters
2.5.2 Companies offering innovations in data management and analytics for smart meter networks
2.5.3 Companies offering innovations in leak detection
2.6 Recent Water Meter Innovations
2.6.1 Hybridization of water meters with other meters
2.6.2 Alternative Antennae Location
2.7 Recent Innovations in Smart Water Adjacent to Meters
2.7.1 City Wide SCADA
2.7.2 Pressure management and energy recovery

3 Market Trends
3.1 Market Estimates
3.2 Market Barriers
3.2.1 Upfront capital costs pose a significant barrier
3.2.2 Utilities may lack the capital required to upgrade to AMR/AMI
3.2.3 Many utilities are not utilizing existing data effectively and organizational changes are required to take advantage of data analysis
3.2.4 The market for smart water meters, information communication technology, and data analytics is highly fragmented.
3.2.5 Interoperability between devices and services locks utilities into one provider and reduces price pressure
3.2.6 Data privacy and hacking is a concern with smart water meters
3.3 Market Drivers
3.3.1 The success of the electric smart meter market has created interest in the potential for advanced water meter networks
3.3.2 Efficiency upgrades from devices are cheaper than infrastructure.
3.3.3 There is potential for immediate labor cost reductions with AMR/AMI
3.3.4 Detection of water main leaks in the distribution network can be made quicker and with more accuracy
3.3.5 Customer service can be enhanced

3.4 Market Activity

4 Key Takeaways

5 Conclusion

Appendix A: Company Snapshots from the BlueTech® Innovation Tracker

Ordering:
Order Online - http://www.researchandmarkets.com/reports/2894296/

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

Product Name: Smart Water Meter Networks: Technology Overview & Market Opportunities
Web Address: http://www.researchandmarkets.com/reports/2894296/
Office Code: SC6I2TQG

Product Format
Please select the product format and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hard Copy:</td>
<td>USD 2500 + USD 57 Shipping/Handling</td>
</tr>
</tbody>
</table>

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title:  
Mr  [ ]  Mrs  [ ]  Dr  [ ]  Miss  [ ]  Ms  [ ]  Prof  [ ]
First Name: ____________________________  Last Name: ____________________________
Email Address: * ____________________________
Job Title: ____________________________
Organisation: ____________________________
Address: ____________________________
City: ____________________________
Postal / Zip Code: ____________________________
Country: ____________________________
Phone Number: ____________________________
Fax Number: ____________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: ____________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World