+357 96 030922
info@marketpublishers.com

Water Leak Detection Systems Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Component (Hardware, Software, Services), By Technology (Active Leak Detection Systems, Passive Leak Detection Systems), By End-User (Utilities, Industrial, Residential, Commercial), By Region & Competition, 2020-2030F

https://marketpublishers.com/r/W23C3230DAFEEN.html
Date: July 2025
Pages: 185
Price: US$ 4,500.00 (Single User License)
ID: W23C3230DAFEEN

Abstracts

Market Overview

The Global Water Leak Detection Systems Market was valued at USD 4.17 billion in 2024 and is projected to reach USD 5.91 billion by 2030, growing at a CAGR of 5.82% during the forecast period. The market is expanding rapidly, driven by rising concerns over water scarcity, aging infrastructure, and increasing water loss costs. As urbanization intensifies and global infrastructure continues to deteriorate, the need for reliable leak detection systems has grown significantly. Governments, municipalities, and private utilities are prioritizing investments in smart water technologies to minimize non-revenue water and enhance resource efficiency. Climate change and water stress have further heightened the urgency to adopt systems that monitor and detect leaks in real time, ensuring sustainable water management across industrial, commercial, and residential sectors.

Key Market Drivers

Rising Global Water Scarcity and Non-Revenue Water (NRW) Losses

The global challenge of water scarcity has become a critical catalyst for the adoption of

+357 96 030922
info@marketpublishers.com

leak detection technologies. With more than 2 billion people residing in high water-stress areas and around 45 million cubic meters of water lost daily due to pipeline leaks, the need for efficient water loss prevention systems is pressing. In many developing nations, water loss before delivery to end users reaches as high as 40–50%, while advanced utilities in developed countries maintain losses under 10%. Proactive leak detection has enabled some cities to cut non-revenue water by as much as 70% over a decade. Reducing leakage by just 20% could potentially supply clean water to an additional 100 million people. These statistics underline the necessity of integrating smart detection systems to reduce water waste and improve operational performance.

Key Market Challenges

High Installation and Maintenance Costs

Despite their benefits, water leak detection systems often involve high initial investment and ongoing operational costs, which can hinder adoption—particularly among smaller utilities and facilities in developing regions. Deploying sensor networks, retrofitting existing systems, and implementing cloud-based analytics require substantial capital and technical expertise. A large-scale installation may cost between USD 15,000 and USD 100,000, depending on system scope and complexity. Additionally, maintenance tasks such as sensor calibration, software upgrades, and replacement parts introduce recurring expenses. For legacy infrastructure, retrofitting may demand structural changes or temporary service disruptions. In regions with low water tariffs, the return on investment may appear insufficient in the short term, further dampening enthusiasm for implementation.

Key Market Trends

Growth in Cloud-Based Monitoring and Remote Access

A major trend shaping the water leak detection systems market is the widespread adoption of cloud-enabled platforms that allow remote monitoring and control. These systems offer real-time data visualization, centralized management, and predictive analytics capabilities. Cloud platforms help utilities and facility managers oversee entire networks remotely, supporting faster response times and improved maintenance planning. Companies leveraging these technologies have reported 20–30% quicker leak response and 15–20% cost savings through reduced service interruptions and water loss. The use of Software-as-a-Service (SaaS) models has made advanced analytics accessible to smaller organizations by lowering capital costs. Integration with ERP and

+357 96 030922
info@marketpublishers.com

facility management platforms enhances functionality, and the continued rollout of 5G and rising internet accessibility are expected to further boost adoption in emerging markets.

Key Market Players

Honeywell International Inc.

Siemens AG

Schneider Electric SE

Xylem Inc.

ABB Ltd.

Badger Meter, Inc.

Mueller Water Products, Inc.

Pentair plc

SPX Corporation

NEC Corporation

Report Scope:

In this report, the Global Water Leak Detection Systems Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Water Leak Detection Systems Market, By Component:

+357 96 030922
info@marketpublishers.com

Hardware

Software

Services

Water Leak Detection Systems Market, By Technology:

Active Leak Detection Systems

Passive Leak Detection Systems

Water Leak Detection Systems Market, By End-User:

Utilities

Industrial

Residential

Commercial

Water Leak Detection Systems Market, By Region:

North America

United States

Canada

Mexico

Europe

Germany

France

United Kingdom

+357 96 030922
info@marketpublishers.com

Italy

Spain

South America

Brazil

Argentina

Colombia

Asia-Pacific

China

India

Japan

South Korea

Australia

Middle East & Africa

Saudi Arabia

UAE

South Africa

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Water Leak Detection Systems Market.

+357 96 030922
info@marketpublishers.com

Available Customizations:

Global Water Leak Detection Systems Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

8. ASIA PACIFIC WATER LEAK DETECTION SYSTEMS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

9. MIDDLE EAST & AFRICA WATER LEAK DETECTION SYSTEMS MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

10. SOUTH AMERICA WATER LEAK DETECTION SYSTEMS MARKET OUTLOOK

11. MARKET DYNAMICS

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Water Leak Detection Systems Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Component (Hardware, Software, Services), By Technology (Active Leak Detection Systems, Passive Leak Detection Systems), By End-User (Utilities, Industrial, Residential, Commercial), By Region & Competition, 2020-2030F

Product link: https://marketpublishers.com/r/W23C3230DAFEEN.html

Price: US$ 4,500.00 (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/W23C3230DAFEEN.html