

## Water Infrastructure Repair Technologies: Global Markets

Market Research Report | 2022-08-16 | 254 pages | BCC Research

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### **Report description:**

Description

Report Scope:

The scope of the market analyzed in this report includes water infrastructure repair technologies used in global drinking water distribution and wastewater collection (e.g., sewer, stormwater) piped infrastructure systems. Components of these piped systems include water distribution and wastewater collection pipes, along with the connectors, fittings, flanges, couplings, valves and adaptors connected to these pipes. The types of WIRT included in this report include assessment, spot repair, rehabilitation and replacement technologies.

This report does not include products, services or technology directly associated with water-processing or water-collection facilities; above ground, open-air water conveyance systems (e.g., aqueducts, ditches, culverts); water storage units (e.g., tanks); or pumps.

The report will have detailed analysis of key trends and opportunities that would help market growth.

The report will also have a separate section highlighting the impact of COVID-19 on water infrastructure repair technology market at the global level. The section will include COVID-19 disruptions on demand and supply of technologies used for water infrastructure rehabilitation.

A separate section on the Russia-Ukraine war provides detailed analysis of the impact the war on water infrastructure repair technology market.

The market size and estimations are provided in terms of value (\$ million), considering 2021 as base year and market forecasts

from 2022 to 2027. Regional-level market size, with respect to category, application and system type, will also be provided. The impact of COVID-19 and the Russia-Ukraine war are considered while estimating the market size.

Report Includes:

- 37 data tables and 63 additional tables

- An updated review and analysis of the global markets for water infrastructure repair technologies

- Analyses of the global market trends, with market revenue for 2021, estimates for 2022, and projections of compound annual growth rates (CAGRs) through 2027

- Understanding of the new technologies and developments in the water infrastructure repair technologies industry, and identification of segments with high growth potential and their future growth prospects

- Estimation of the actual market size for water infrastructure repair technology, market forecast in USD million values, and corresponding market share analysis by category, system type, technology type, application and geographic region

- In-depth information (facts and figures) concerning market drivers, deterrents and challenges affecting the global market for water infrastructure and repair technology

- Highlights of the impact of COVID-19 and Russia-Ukraine war on the market for water infrastructure repair technology

- Discussion of the industry value chain analysis providing a systematic study of key intermediaries involved, with emphasis on recent developments and region-specific macroeconomic factors

- Identification of the major stakeholders and analysis of the competitive landscape based on recent developments and segmental revenues

- Updated information on mergers, acquisitions, partnerships, business expansions, and product launch strategies within the water infrastructure repair technology industry

- Company profiles of major players within the industry 3M, Aegion Corp., Applied Felts Inc., Aries Industries Inc., Advanced Trenchless Inc.

## **Executive Summary**

## Summary:

With the dramatic temperature increases and climate change over the past years, water consumption has risen dramatically across the globe. Despite being a critical asset, water is undervalued across many parts of the world, and its use is largely unsustainable. The rise in water demand coupled with limited supply and uneven distribution are leading to water stress across the various region around the globe.

According to a recent study from International Water Association (IWA), about REDACTED cubic meters of water is lost per day globally or REDACTED cubic meters per year in water distribution systems on the way to consumers. Such losses are called non-revenue water or NRW and are equivalent to approximately \$REDACTED per year as the average water cost.

Water losses are often caused by inadequate maintenance of the distribution network. With a 75- to 100-year lifespan, much of America's underground pipes are due for replacement. Based on an analysis by the American Water Works Association, approximately one-third of water mains nationwide will require replacement by 2040. As an indication of mounting needs, water mains currently experience an estimated 240,000 breaks annually. Similarly, in many European countries, the infrastructure has come to an end of its lifespan, causing numerous water breaks and leaks. For this reason, timely pipeline rehabilitation and replacement are crucial to ensure the smooth operation of the entire water supply network.

In 2021, the global market for water infrastructure repair technology (WIRT) was valued at \$REDACTED, and it is expected to reach \$REDACTED by 2027. Growth over the five-year period represents a compound annual growth rate (CAGR) of REDACTED%

#### from 2022 to 2027.

There are several other factors driving growth within the global water infrastructure repair technology market. Some of them include population increases; newly built water distribution and wastewater collection systems; diminishing water supplies; new and improved technologies; increased interests in sustainability; and numerous other economic, political, social, demographic and technological factors.

#### **Population Growth**

According to United Nation Population Fund (UNFPA), the global population was REDACTED in 2011, and it stood at REDACTED in 2021. The population is expected to grow to around REDACTED in 2030, REDACTED in 2050, and REDACTED in 2100. Larger populations present an increased need for water delivery and add pressure on the already taxed infrastructure systems, thereby spurring growth in the WIRT market.

#### **Table of Contents:**

Table of Contents Chapter 1 Introduction Market Definition Study Goals and Objectives Reasons for Doing This Study Intended Audience Scope of Report Methodology What's New in This Report? Geographical Breakdown Analyst's Credentials **BCC Custom Research Related BCC Research Reports** Chapter 2 Summary and Highlights **Population Growth** Increasing Global Water Consumption Water Pollution Increased Water Value Good for WIRT Chapter 3 Market Overview Water Infrastructure Repair Technology by Category **Pipe Failure Types** Common Pipe Types Asbestos Cement Cast Iron Copper Cross-Linked Polyethylene Ductile Iron **Glass-Reinforced Polymer High-Density Polyethylene Pipe** Galvanized Steel Pipe Lead Pipe **Polybutylene Pipe** 

Polyethylene Pipe Prestressed Concrete Cylinder Pipe Polyvinyl Chloride Pipe Steel Pipe **Pipe Life Expectancies** Drinking Water and Wastewater Systems Public Facility and Industrial Water Supply ASTM International and Other Regulatory Guidance for WIRT Chapter 4 Impact of COVID-19 and Russia-Ukraine War on the Market COVID-19 Impact Russia-Ukraine War Russian Weaponization of Water in Its Invasion of Ukraine Chapter 5 Growth Factors Overview Water Highly Undervalued Non-revenue Water Loss Dramatic in Some Areas More People Translates to Higher Demand for WIRT Population Shifts Guide WIRT Market Increasing Global Water Consumption and WIRT Demand Freshwater Depletion and the Increased Need for WIRT Water Scarcity and Stress Affecting WIRT Market Need **Pollution Makes Water More Precious** Climate Change Undeniable as Weather Changes Become Increasingly Dramatic Action Taken to Adjust to Climate Change Utilities Respond to Climate Change Mass Migrations and their Impact on Infrastructure Systems Need for WIRT Increases as Pipes Continue to Age Europe New Zealand United States Mexico City Canada Concerns over Lead Promote Pipe Replacement Projects Impact Investing and Sustainability Funding for WIRT Often an Issue Rural and Urban Utilities Both Struggle for Funding **Pipe Insurance** Leaks and Their Effect on WIRT Investment Assessment Technologies Fuel WIRT Market Growth Smart Meters Everywhere Trenchless Technologies Spur WIRT Market Growth Trenchless Technologies More Green WIRT Enthusiasts Must Compete for Attention Pipe Installation and Repair Avoidance Regulation Improvements Supporting Growth in Some Regions **European Union United States** 

China Mexico Canada Australia United Kingdom Public-Private Partnership Involvement in WIRT **Government Push for PPPs** Public/Private Partnerships and Private Ventures Benefit Developing Regions Differing Opinions Regarding Public/Private Partnerships Private Utility Companies on the Rise Push to Separate Combined Sewer Systems Promotes WIRT Hidden Troubles Easy to Ignore Public Education Supporting the WIRT Market Proactive Repair Outshining Emergency Repair Aid to Developing Countries Boosting the WIRT Market Aid Not Always Welcome Improved Sanitation and Drinking Water Coverage Good for WIRT Maintenance Just as Important as Building World is Becoming Richer: WIRT to Benefit **Governments Supporting WIRT Projects** United States Mexico Canada China Hong Kong Role of Non-governmental Organizations in Supporting the WIRT Market World Works to Eradicate Open Defecation Poop: Not a Savory Subject Cybersecurity Becoming More of an Issue Danger of Free or Inexpensive Services So Many Questions: Difficult to Choose WIRT Technology Successful Projects Promote WIRT Reliable Data Elusive in Poorer Regions Food, Water and Energy Packaged Concerns Over Styrene in CIPP Supports Some WIRT Products Hazards of Polyvinyl Chloride Pipe More Long-Distance Pipelines, More Pipe and More WIRT Employment Opportunities and Career Options in the WIRT Market Associations and Organizations Propel Market Growth United Kingdom Water Industry Research American Water Works Association Canadian Water and Wastewater Association Chapter 6 Global Market Growth by Segment Overview Market by System Type Drinking Water Market by Technology Type Wastewater Market by Technology Type

Market by Category Assessment Spot Repair Rehabilitation Replacement Market by Application **Public Facility** Industrial Water Supply Chapter 7 Global Market by Region and Country Overview North America Europe Asia-Pacific Middle East and Africa Latin America **Chapter 8 WIRT Technologies** Overview Open Cut Pipe Repair Versus Trenchless Pipe Repair Assessment Visual Inspection Acoustic Leak Detection **Electromagnetic Inspection** Ultrasonic Other Assessment Technologies Spot Repair **Pipe Wrapping Pipe Sleeves** Sprays **Pipe Clamps** Joint Repair Rehabilitation **Pipe Lining** Sliplining Close-Fit Lining Spray Liners Cured-In-Place Pipe Lining Spiral Wound Lining Replacement **Pipe Bursting Pipe Splitting Pipe Reaming Pipe Extraction** Innovative Technologies and Product Trends Chapter 9 Competitive Landscape Competitive Landscape: Global **Major Developments Chapter 10 Company Profiles** 

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