

# Driving Sustainability and Innovation Through Geospatial Transformation in the Water Industry

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## SUMMARY

Effective water management by utilities relies on understanding the interconnected relationships between assets, customers, and water resources. Geospatial technologies empower utilities to optimize operations, enhance decision-making, drive innovation, and address challenges posed by increasing customer demands and climate change. □ □ The 2024 National Water Industry Geospatial Capabilities Report emphasises that geospatial evolution goes beyond technical upgrades. It represents a transformative force that unlocks innovation and enhances business value. □ □ By integrating geospatial technologies with emerging digital tools, utilities are redefining their approach to critical challenges such as climate change, emergency management, and rising customer expectations. Geospatial information has progressed beyond traditional static 2D mapping, now enabling dynamic solutions for network performance, construction planning, and strategic development. □ □ This transformation is driven by the synergy between data, technology, business practices, and human expertise. Mature geospatial environments enable utilities to champion digital solutions that boost productivity, deliver efficiency dividends, and meet evolving customer demands. These advancements align with global sustainability goals, leveraging geospatial intelligence for long-term planning, resource optimization, and environmental stewardship. □ □ This presentation will showcase findings from the 2024 National Water Industry Geospatial Capabilities Report, with practical examples of GIS applications across the water industry. Real-world case studies will illustrate how water utilities use geospatial tools to tackle climate change, improve resource efficiency, and enhance customer satisfaction.

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