

Incorporating CyberSecurity into Water Utility Master Planning

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ABSTRACT

Cybersecurity threats are ubiquitous and far-reaching. The stakes are highest when the threats impact critical infrastructure, including water systems. National and industry organizations provide guidance regarding how to best protect these systems. Still, water utilities must determine how to incorporate actionable items within the context of their organizational structure and objectives.

In this session, you will learn about cyber risks impacting water utilities, consequences of these risks and strategies to manage this risk. You will walk away with recommended best practices and considerations for both short term quick wins and long term strategic investment to improve your security posture.

ABOUT THE AUTHORS

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Umair T. Masud is a Product Manager for Consulting Services at Rockwell Automation. Mr. Masud holds primary responsibility for the strategic roadmap for industrial cyber security services including consultative services such as assessments, audits and improvement planning as well as managed services such as monitoring and response services. Prior to his current position, Umair served as a consultant focused on network and security services providing Rockwell Automation’s customers with ways to increase the security posture of their industrial control systems through a combination of strategic and tactical approaches.

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Kevin M. Morley, PhD is Manager, Federal Relations for the American Water Works Association (AWWA). In this role he works closely with a variety of organizations tasked with advancing the security and preparedness of the Nation’s critical infrastructure. This has included facilitating the expansion of mutual aid and assistance via the Water/Wastewater Agency Response Network (WARN) initiative. In addition, he has supported the development of multiple water sector standards and guidance for security and preparedness. Most recently he led the development of a resource guide entitled *Process Control System Security Guidance for the Water Sector* and a supporting Use-Case Tool which provides a water sector-specific approach to the NIST Cybersecurity Framework.