End-to-End Networking Solutions in the Water and Wastewater Sectors

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SUBMISSION TYPE

30 minute presentation

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Wireless, SCADA, Plant Upgrades, Ethernet, I/O, Serial, Network Management Software

ABSTRACT

This presentation will provide a step by step approach on how to provide a complete networking solution for different types of water applications. Applications include pump station control, real-time treatment plant monitoring, early flood-warning systems, level monitoring/alarms, and infrastructure upgrades.

Products used in these solutions include serial data wireless modems, industrial wireless Ethernet radios, Ethernet Switches (Fiber rings), Network Management Software, industrial wireless I/O units, ERRTS, Cellular modems, SCADA, and sensors. Services include preliminary design, deployment and maintenance.

Benefits of complete networking solutions and results: reduction in costs, increased productivity, improved safety, effective monitoring/control, long distance connectivity, real-time visibility, simplified installation and ongoing maintenance.

ABOUT THE AUTHOR

Patrick Ho *is Director, System Solutions for the Wireless solutions of Eaton. He has over 20 years of experience in program management and wireless / wireline communications working in Engineering, Project Management, Product Management and Sales. Prior to joining Eaton, Patrick worked for various hi-tech companies in the communications, aerospace, and printing industries, where he held a series of assignments in Engineering, Operations, and Project Management. He holds a BSc degree from University of Saskatchewan, Electrical Engineering, and an MBA degree from the Chinese University of Hong Kong. Patrick is responsible for delivering innovative communication solutions to Eaton's customers, with a special focus in the water / wastewater market.*

Riz Amanullah *is the Product Manager for the Wireless Business Unit of Eaton. He has over 9 years of experience at three Fortune 500 companies working in M&A, Treasury, FP&A, Product Design, Project Management and Engineering. He has held various corporate positions with Eaton since joining the company. Prior to joining Eaton, Riz was in the Wireless Industry where he held a series of assignments in Engineering, Project Management, and Finance. He holds a BE degree from Vanderbilt University, Electrical Engineering and Mathematics, and an MBA degree from the Jones Business School at Rice University. Riz is*

responsible for teaming up with the marketing, sales, and engineering teams of Eaton to provide a holistic approach to product management. Additionally, he has a focus on growing their presence in new markets globally.