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OPAL-RT and SCALABLE Network Technologies Provide Real-time Cyber-Physical Solution to New York Power Authority

- Complete Solution to Protect Critical Infrastructure -

Culver City, CA (23 October 2018) - [SCALABLE Network Technologies, Inc.](#) (SCALABLE) and [OPAL-RT TECHNOLOGIES](#) are pleased to announce that their combined solution for real-time cyber-physical systems was chosen by the [New York Power Authority](#) (NYPA) for use at its world-class research and development facility – the [Advanced Grid Innovation Laboratory for Energy](#) (AGILE). The lab was developed to address the challenges of the rapidly evolving landscape of the electric power industry and to promote collaborative research and development efforts that enhance the efficiency, reliability, and security of the electric power grid. Incorporating this software into an overall simulation platform will help NYPA more accurately model its infrastructure, **understand how** new communication and control technologies will interact with the electric power system, and **develop plans to mitigate the impact of communication deficiencies and cyber threats.**

SCALABLE's [EXata](#) network simulator integrates with OPAL-RT's power simulators to allow emulation of communication systems in addition to power grid components and, therefore, effectively identify and predict the impact of communication system failures as well as cyber-attacks on grid monitoring and control systems. The technology will allow NYPA to visualize its network environment in a manageable laboratory setting, evaluate a range of scenarios to determine the impact of a cyber-attack and create best practices to increase system availability and lower operational risks.

"NYPA is continually looking for new solutions that improve the efficiency of our infrastructure systems while advancing the reliability of the electric grid," said Gil C. Quiniones, president and CEO of NYPA, the nation's largest state-owned utility. "This new software will provide increased opportunities to assess risk and test emerging technologies and automated systems."

“We are proud that NYPA chose our technology to deliver an innovative [cyber security solution](#) to help improve grid efficiency, stability and reliability. By combining [HYPERSIM's power system](#) and SCALABLE EXata [cyber network simulation](#) capabilities, NYPA is now well equipped to study the impacts and challenges of cyber incidents on the grid. We wish them the best success with their AGILE laboratory,” stated Jean Bélanger, CEO & CTO, OPAL-RT TECHNOLOGIES.

About SCALABLE Network Technologies

Based in Culver City, California, SCALABLE provides network design, modeling and analysis tools, cyber training systems and engineering support services to commercial enterprises, government and defense agencies, research organizations and educational institutions around the world.

SCALABLE solutions integrate simulated virtual network models with physical hardware and applications, which allows users to reduce the time, cost and risks of developing, testing and deploying large, sophisticated wired and wireless networks and new communications equipment, and train personnel on cyber defense.

More detailed company information is available at scalable-networks.com.

About OPAL-RT

Headquartered in Montreal, OPAL-RT Technologies has provided high-performance real-time simulation technology and engineering services since 1997. OPAL-RT's customer base includes industry leaders, universities, and research centers within the automotive, aerospace, educational, power electronics and power system industries. Over the last two decades, OPAL-RT has emerged as a world leader in the area of electromagnetic system simulation by providing powerful and open systems, which allow users to rapidly research, develop and/or test their latest products or concepts in a safe environment. OPAL-RT Technologies has subsidiaries in France, India, China and USA.

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