



## POWERING RELIABILITY: ROVISYS REVOLUTIONIZES EMERGENCY POWER AT NEW YORK'S EMPIRE STATE PLAZA

In the sprawling landscape of government infrastructure, reliability is not just a goal—it's a mandate. When a New York state government campus sought to fortify its emergency power systems, they turned to turned to Cogen Power Technologies and RoviSys, a leading systems integrator in district energy. RoviSys embarked on a journey that would redefine emergency power capabilities for office buildings, a performing arts center, and the NY Governor's Mansion.



### THE PROBLEM

The government campus faced a critical need to bolster its aging emergency power infrastructure, and the ability to transition to backup power seamlessly. In the event of unforeseen outages or emergencies, a reliable power supply was paramount to maintaining essential services and safeguarding public welfare. With this imperative in mind, campus administrators sought partnerships that would deliver a comprehensive solution that met stringent reliability standards and offered seamless integration with existing systems.

### ROVISYS

Recognized globally for engineering and integration excellence, RoviSys created a tailored solution that addressed immediate needs of this campus while anticipating future scalability. As a Rockwell Automation Platinum System Integrator, RoviSys is one of few partners certified in controls and information services. With decades of collective experience and deep expertise implementing a wide range of Rockwell Automation solutions, RoviSys was well positioned to integrate Eaton and SEL electrical equipment with Rockwell technologies. The new emergency power infrastructure was integrated with existing systems, minimizing disruptions and maximizing efficiency. The project team conducted rigorous assurance checks at every stage, ensuring adherence to the highest reliability and performance standards. Efficient project management and experience with general contractors ensured on-time delivery and mitigated cost overruns.



## THE SOLUTION

RoviSys, armed with 30+ years of engineering and design experience, expertise interfacing all major MCC, Switchgear, and Substation vendor equipment, and a track record of successful projects in government infrastructure, emerged as the ideal candidate for this effort. RoviSys wasted no time in assembling an experienced team and developing a detailed plan.

Collaborating closely with Cogen Power Technologies, RoviSys engineered a state of the art, multifaceted solution using Rockwell tools to bolster the emergency power capabilities of the campus. From specifying hardware to overseeing intricate installations, RoviSys left no detail overlooked in ensuring project success.

The solution included a range of software and hardware components, including FactoryTalk View Site Edition, FactoryTalk Historian, Rockwell Studio 5000, Redlion Crimson, and Allen Bradley ControlLogix. Technical features of PLC and Server redundancy, and Device Level Ring (DLR) implementation were meticulously addressed. RoviSys has implemented an expandable solution capable of accommodating 12MW of emergency power feeding 17-substations and 195 automatic transfer switches, meeting the complex requirements of this system on time and within budget.



## THE RESULT

Thanks to the collaborative efforts of RoviSys and Cogen Power Technologies, this NY government campus now boasts a cutting-edge emergency power system that conforms to IEEE, ANSI, and NFPA standards for reliability and resilience. With the ability to seamlessly transition to backup power in times of crisis, the campus can rest assured knowing that essential services remain uninterrupted, safeguarding the operations of the plaza.

Furthermore, delivering this project not only solidifies its position as a trusted partner in the district energy sector, but also serves as a testament to an unwavering commitment to excellence.

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