



*This project  
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The NATO Science for Peace  
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**Designing Intelligent, Resilient, Scalable and Secure Next Generation SCADA (Supervisory Control and Data Acquisition) Infrastructure (SCADA-NG)**  
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Building on prior initiatives in their respective countries, Italian and Croatian scientists are working on the establishment of a simulation platform where all different threats to a power system reliability and security could be investigated. The high importance of the power system is critical infrastructure lays in the fact that it is increasingly essential for functioning of, other critical infrastructures (ICT, hospitals, etc.). The research focus of this project is the establishment of a simulation platform where all different threats to a power system reliability and security could be investigated. The major goal would be to simplify process of finding better solutions for the optimal system design and sufficient control.

Since the start of the project in February 2010 the full research plan and the testbed concept have been defined and most important equipment and software tools have been procured and successfully installed. The following stage comprise the development of a draft model for the Supervisory Control and Data Acquisition (SCADA) testbed, i.e. diagrams and pseudo code, the inclusion of smart metering and smart grid elements in the further research, as well as the gathering of the initial data for the simulations (physical grid, market data, IT facility specification). It is expected that the project results will be implemented at the research/education laboratory at the Faculty of electrical engineering and computing at the University of Zagreb.

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**Web site:** [www.fer.hr/NATO\\_SNG](http://www.fer.hr/NATO_SNG)