

INFORMATION SECURITY RESEARCH FOR PROCESS CONTROL SYSTEMS

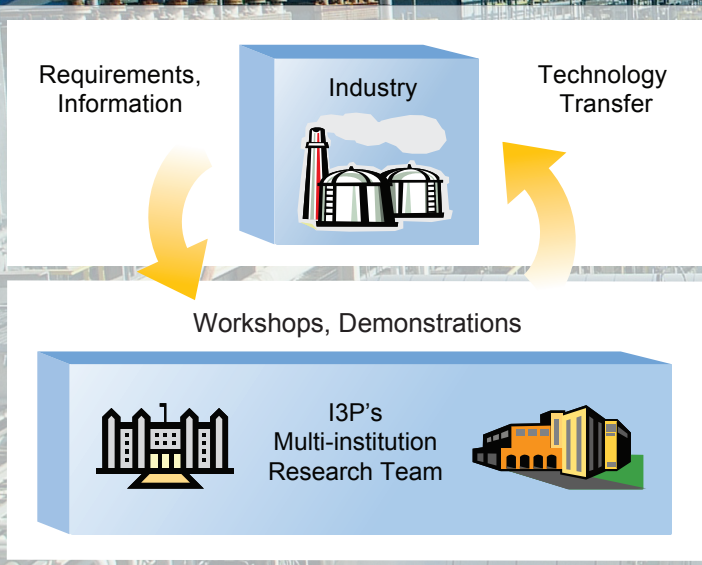
PROCESS CONTROL SYSTEMS ARE CRITICALLY IMPORTANT to the safe and efficient operation of infrastructure systems, but are vulnerable to attack.

THE INSTITUTE FOR INFORMATION INFRASTRUCTURE PROTECTION (I3P) decided in 2005 to sponsor a team of ten institutions in a research program on security for process control systems in the oil and gas industry.

PARTNERSHIPS WITH OIL AND GAS INFRASTRUCTURE OPERATORS, control system vendors, and other stakeholders will ensure relevance and broad impact of results.

TOPIC AREAS IN THE RESEARCH PROGRAM:

1. Assess dependence on control systems and their security
2. Account for the type and magnitude of system interdependencies
3. Develop metrics for control system security
4. Develop tools and technologies to enable inherently secure systems
5. Develop cross-domain solutions for information sharing
6. Transfer security technology and knowledge into industry



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