

JPS Interoperability Solutions Products Overview

Trey Weaver - Head Design Engineer Todd Dixon – Chief Executive Officer

JPS Interoperability Solutions – Company Overview

- The strategic driver of Communication Interoperability for Public Safety, Emergency, and Military services
- Founded in 1988, reacquired by original owner in April 2016
- Long history and experience in the design and manufacture of equipment using Digital Signal Processing (DSP) algorithms to resolve communications systems issues
- The heart of all JPS interoperability products and capabilities is our ACU Intelligent Interconnect Technology, which was first introduced in 1997
- ACU Intelligent Interconnect Technology has been specifically designed to provide transparent and reliable communications interoperability between disparate radio systems, analog and digital telephony systems, cellular and satellite phones, dispatch consoles and other audio communication systems
- Manufacturing, R&D, Sales & Support located in Raleigh North Carolina
- World-Wide Sales presence: Latin America, Asia, Europe & Middle East



IronGate - What is the problem

- Industrial/commercial equipment is connected directly to the Internet for either control and/or monitoring
- SCADA equipment is sometimes secretively installed with the hope that it will not be discovered

Typically "found" by hackers with unscrupulous intentions within days of being put online



- Without proper security it can be easily hacked
- Large number of unprotected SCADA devices is one of the major current security problems

Who are the Customers

- Oil/Gas
- DoD
- Fed
- Mining
- Building Automation
- Water and waste water
- Power Transmission and Distribution
- Transportation and Logistics
 Manufacturing
- Agriculture
- Petrochemical
- Biotechnology

- Manufacturing
- Process control
- Power generation
- Fabrication
- Refining

- Water treatment
- Wastewater collection and treatment
- Oil and gas pipelines
- Electrical power transmission and distribution
- Wind farms
 - Real-time data acquisition and history logging for the neutron current physical parameters
 - Protection control
 - Alarm reporting on protections status
 - Comprehensive operational planning and control
 - Fuel resource scheduling
- Optimum power flow
- Network security
- Economic dispatch
- Generation dispatch control

- Roads
- Bridges
- Tunnels
- Sewers
- Electrical grids
- Telecommunications

IronGate Solution



IronGate Core Display

	IronGate	_ = ×
File Normal Location Warnings	All Warnings Update Text:	
Edges: • SS#1 • SS#2 • SS#3 • Real Edge Local Connections X-410-1 Treys_Test	Release Valve:	odate
	Temp: 0	
	Float Level: 0	
	Active State:	
		*

The hardware design itself is secure – being in physical possession of IronGate units does not expose any hacking vulnerabilities.



Security Validation

Туре	Status
Nessus Advances Scan	Passed
FIPS Level 3	Pending (passed review)
Cylance Red Team	Pending



QUESTIONS & COMMENTS



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