HAWC
HARDWARE ONLY CONTROLLER

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WHO AM I...
AURORA

PROGRAMMING IN 1948
• Basic safety ladder logic with sensor input and alarm status output
• Converted to Verilog Hardware Definition Language (HDL) to load onto the Field Programmable Gate Array (FPGA)
• Graphical User Interface (GUI)
HAWC PHASE II

• HAWC protecting a networked video camera
• Demo on YouTube:
  
  https://www.youtube.com/watch?v=gXEehgW-FyU
HAWC PHASE III

Card slot

Notional
MARKET APPLICATIONS

- Plant Safety Systems
- Industrial Control Systems (ICS)
- Internet of Things (IoT)

Deterministic cyber protection for high value targets
AURORA DISRUPTOR

• Purpose built hardware
• No moving parts/no software
• Deterministic protection implemented with grid physics
• Over 300 units installed in the U.S.
• More information
  • Tim Roxey scubanuke@gmail.com
“We have contributed to the initiation of a new science which, as I have said, embraces technical developments with great possibilities for good and for evil.”

Norbert Weiner
Cybernetics, 1948
THANK YOU

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