



Shaping the Future of Cyber Defense

Navigating the New Frontiers of Cybersecurity in OT/ICS

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INTRODUCTION – PATRICK C. MILLER

- **CEO, Ampyx Cyber**
- GCIP, CISA, CRISC, CISSP-ISSAP, SSCP, CEH, NSA-IAM, CVI, TCP, SCP
- US Coordinator and Professor, Centro de Ciberseguridad Industrial (CCI; Madrid)
- Instructor, Cyber Information Security Leader (CISL; Copenhagen)
- Former Principal Investigator, US DOE National Electric Sector Cybersecurity Organization
- EnergySec Founder, Former CEO, Director, Instructor, and President Emeritus
- Former utility staff (telecommunications, water & electric)
- Former SANS ISC456 Instructor: Essentials for NERC Critical Infrastructure Protection
- One of the original architects of NERC CIP standards for North America
- First NERC CIP auditor in USA & Canada
- NERC SCWG, SITES, and SPIDERWG contributor
- Speaker/contributor to multiple FERC Technical Committees, NOPRs and Orders
- Contributing author for DHS CISA Cross-Sector Cyber Performance Goals (CPGs)
- Contributing author for NARUC/DOE Cybersecurity Baselines for Electric Distribution
- Cybersecurity Advisory Team for State Solar, NARUC/NASEO
- National Telecommunications and Information Administration (NTIA) and Idaho National Lab (INL) Software Bill of Materials (SBOM) Energy POC Stakeholders
- DOE Solar Energy Technology Office (SETO) and National Renewable Energy Lab (NREL) Industry Advisory Board (IAB) for the Securing Solar for the Grid (S2G)
- Advisor to multiple industrial hardware and software vendors, boards of directors, government agencies around the world

INTRODUCTION – AMPYX CYBER

- Boutique international industrial cybersecurity firm
 - Cyber and physical security services
 - Regulation, standards, frameworks
 - Architecture, integration, orchestration
 - Program development
 - Solver of hard security/regulatory problems
- Offices:
 - Portland, USA
 - Tallinn, Estonia
- IICS Alliance founding member
- *We keep you ahead of your adversaries – and your auditors*

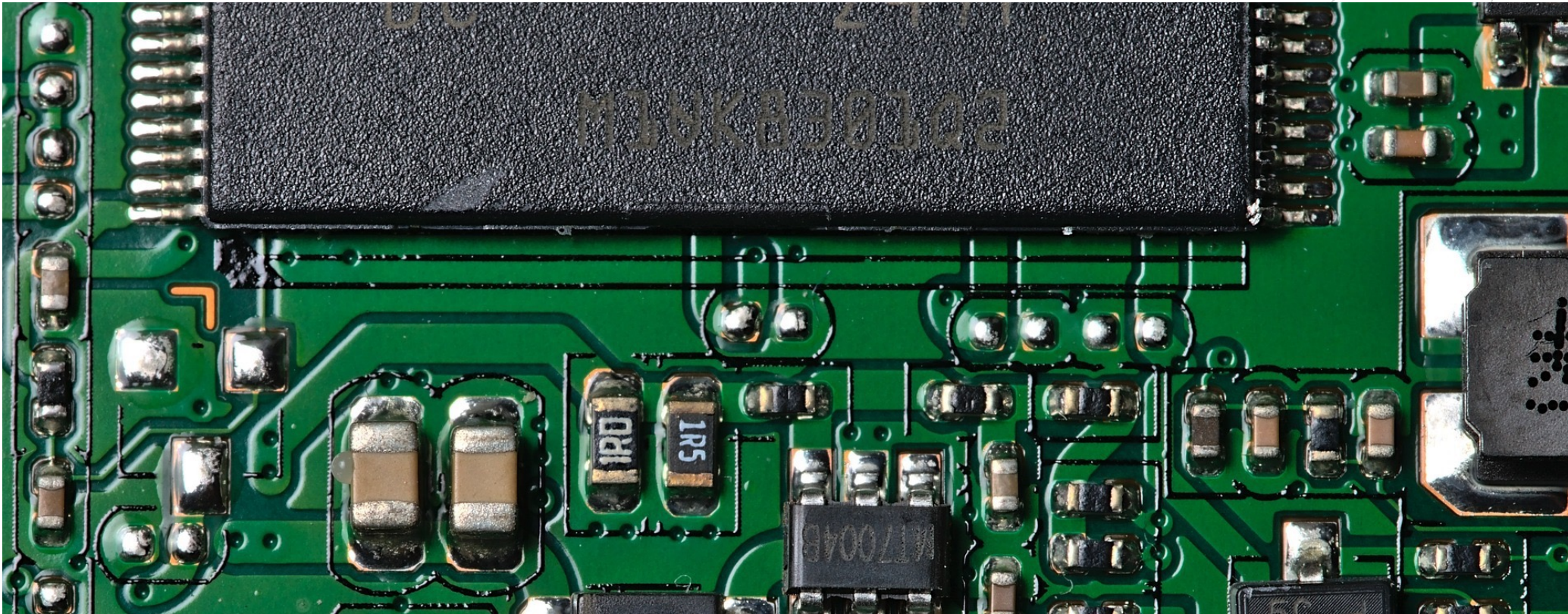
EVERYTHING HAS BEEN HACKED



INNOVATION WILL ONLY INCREASE



EVERYTHING WILL BE DIGITAL



EVERYTHING WILL BE CONNECTED



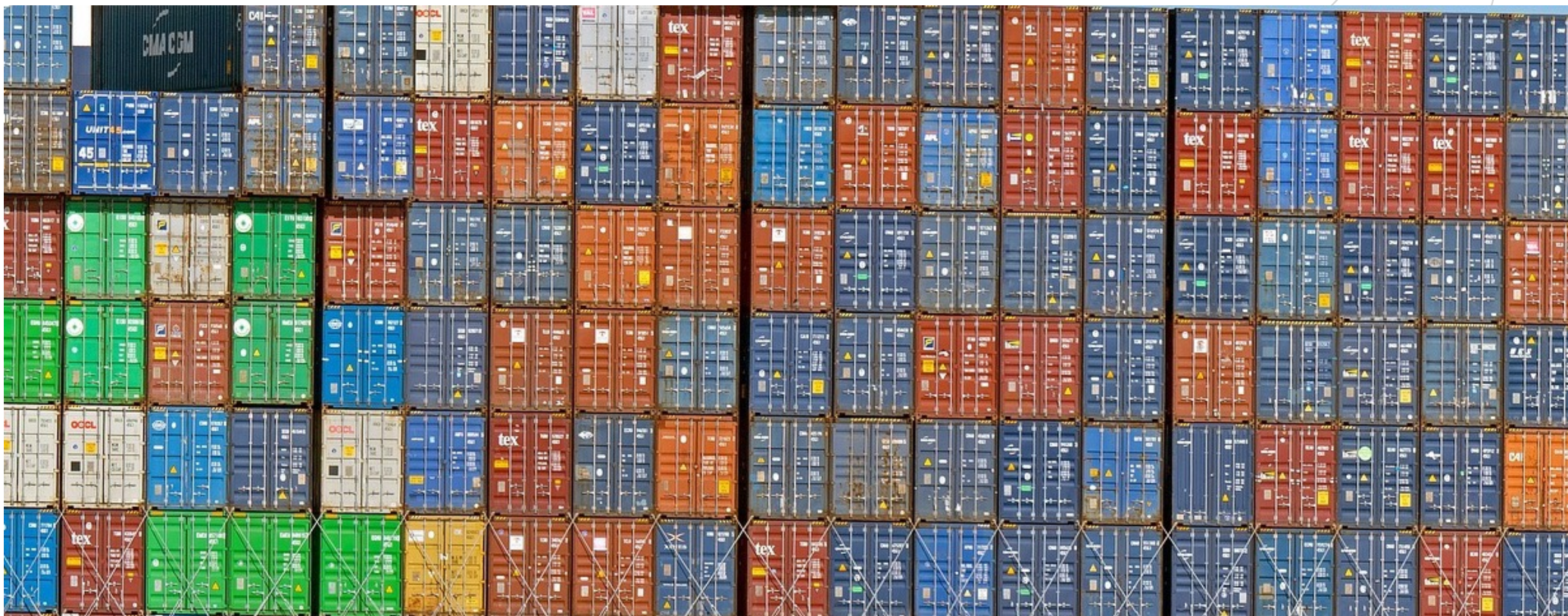
TECHNOLOGY WILL BECOME INVISIBLE



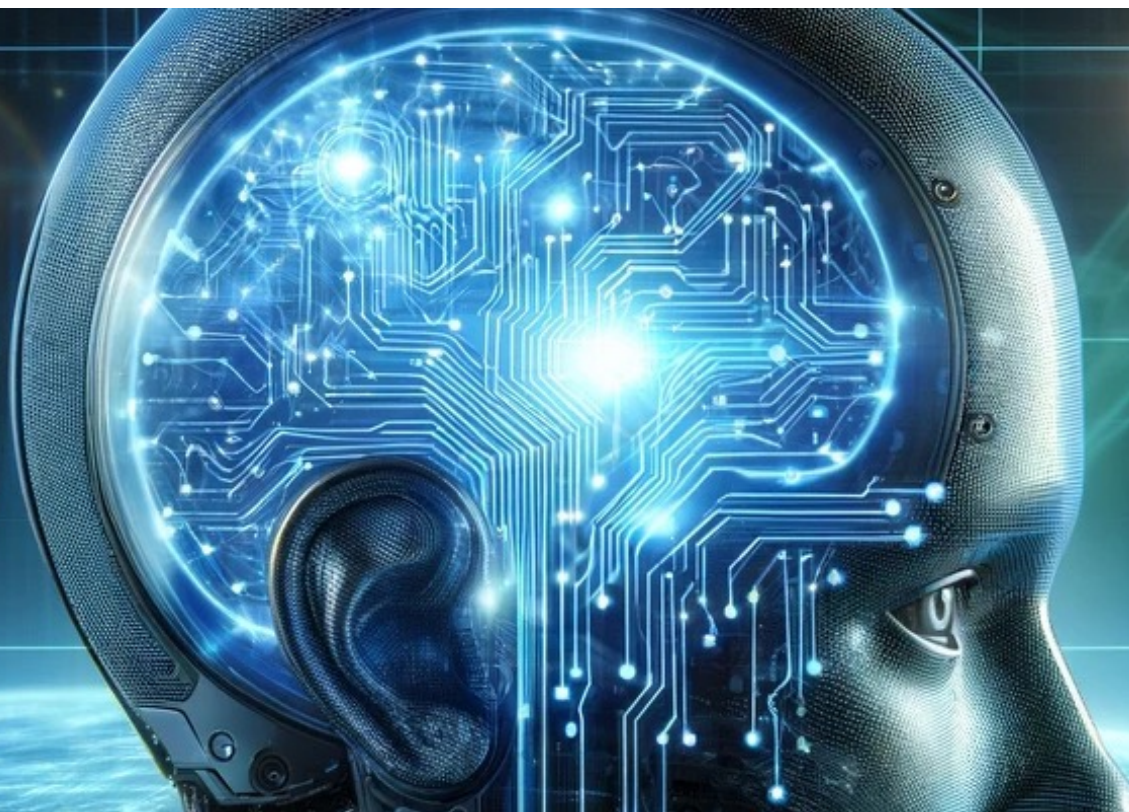
EVERYTHING WILL CREATE DATA



EVERYTHING WILL BE IN THE CLOUD



ARTIFICIAL INTELLIGENCE EVERYWHERE



OT BUSINESS TRANSFORMATION



PRODUCT, DATA, & DATA PRODUCTS



HOW WILL YOU SECURE THE FUTURE OT?



THANK YOU

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 **Ampyx Cyber**





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~~SILENCE~~
CYBER**



CYBERTEK
TECH FESTIVAL