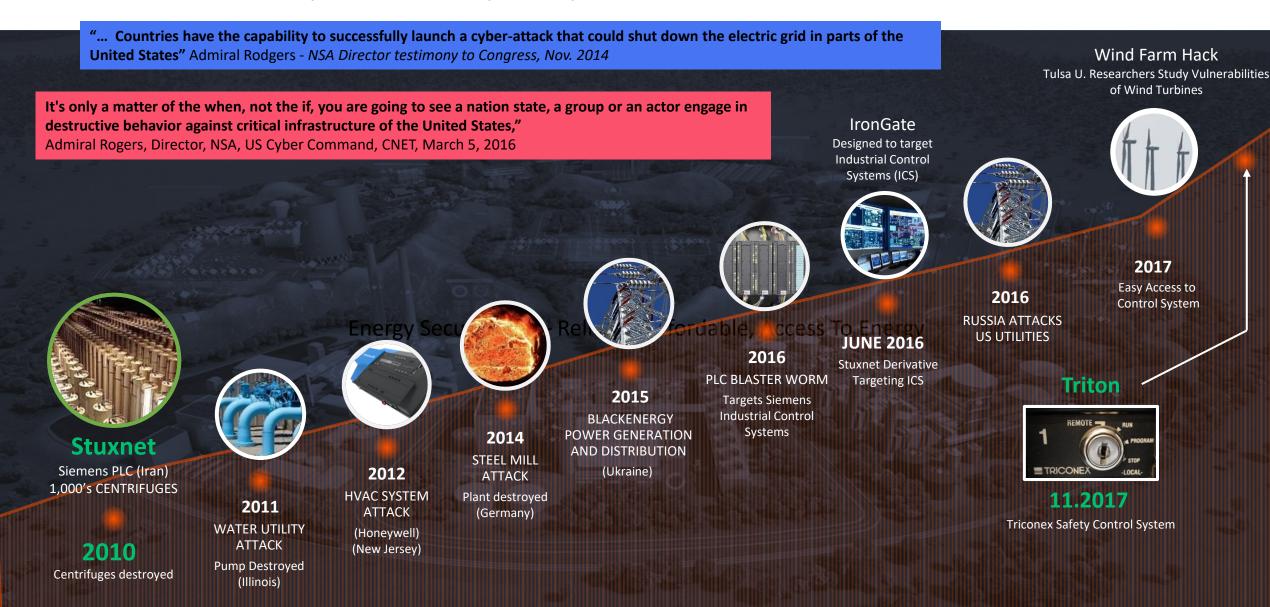
Cyber Threat Targeting Critical Energy Infrastructure is Evolving: A Move From Cyber Security to Cyber Resilience is Needed

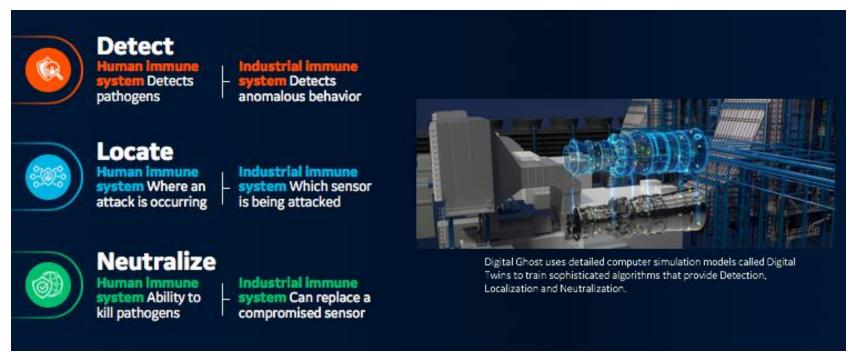


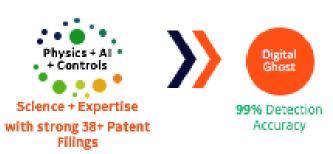
Digital Ghost: An Industrial Immune System for Critical Energy Infrastructure

Self Healing Game Changer - Successfully demonstrated Digital Ghost's ability to - **Detect, Localize and Neutralize** advanced cyber attacks in various critical energy infrastructures and systems

A Move from Security to Cyber Resilience - Digital Ghost combines over 38+ innovative patents that combines artificial intelligence, cyber-physical resilience and other advanced threat mitigation solutions

Cyber Resilience & Optimization; While most cybersecurity solutions increase costs and reduce functionality, Digital Ghost has the potential to improve asset performance and reduce costly faults from all **cyber-physical hazards**.





- Physics-based transient model used in training DG, key for accurate predictions
- Deep machine learning to establish boundaries between normal and abnormal operating zones
- Controls and Safety know-how to maximize the accuracy of DG, ensure robust & safe operation, and enable neutralization



GE Research... interdisciplinary R&D to scale

TECHNOLOGY DOMAINS —



Artificial Intelligence



Biology & Applied Physics



Controls & Optimization



Edge Computing



Electronics & Sensing



Electric Power



Materials



Mechanics & Design



Robotics & Autonomous Systems

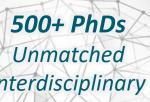


Software & Analytics



Thermosciences





Research to Reality

PRODUCT



2 Cent Wind



Next Gen Narrowbody



Additive Machines



Gas Turbine Leadership



70GWh **Offshore WTG**



Plug & Play **MR**



Renewable Reservoir



Hybrid -**Electric Flight**

HORIZONTAL



Additive



Artificial Intelligence



CMC



Controls/ **Secure Edge**



Service Technology



Digital Twin & Cyber



Specialty Materials



SiC

EXPONENTIAL



Autonomous Imaging





Bioelectronic Medicine



Industrialized Blocks



Quantum Sensing & Computing



Trusted Autonomy