

TRUSTED SYSTEMS FOR ADVANCED ARCHITECTURES

Exceptional service
in the national interest



Sandia
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U.S. DEPARTMENT OF
ENERGY
SAND2012-9035P

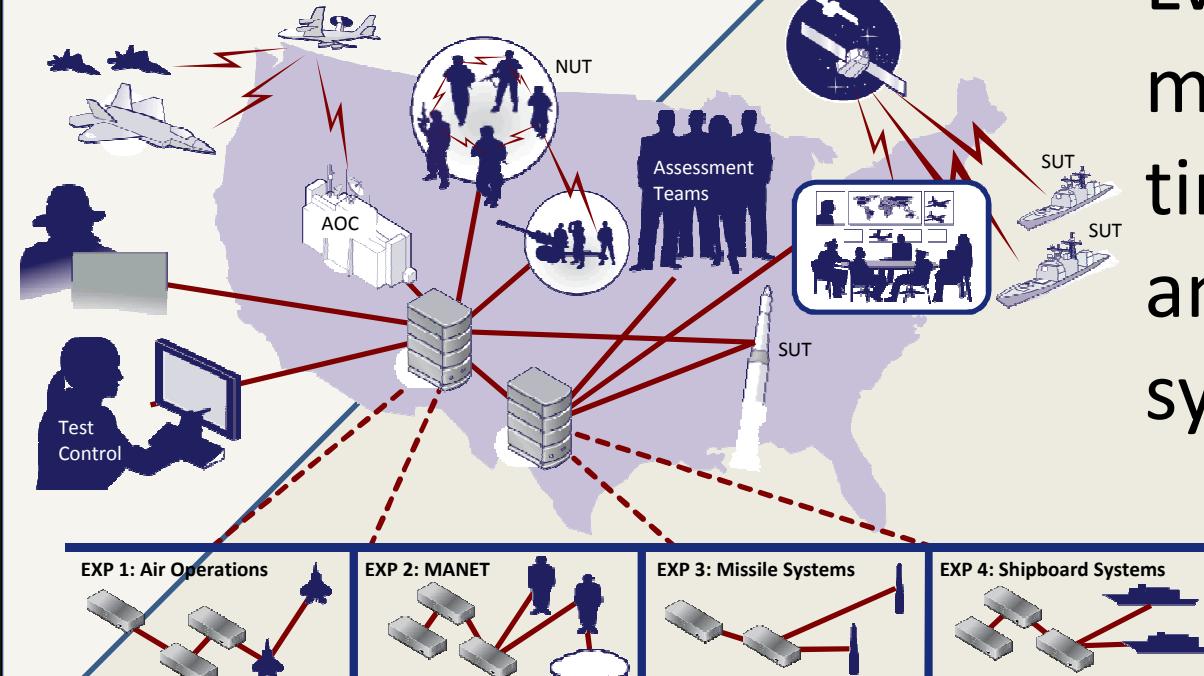
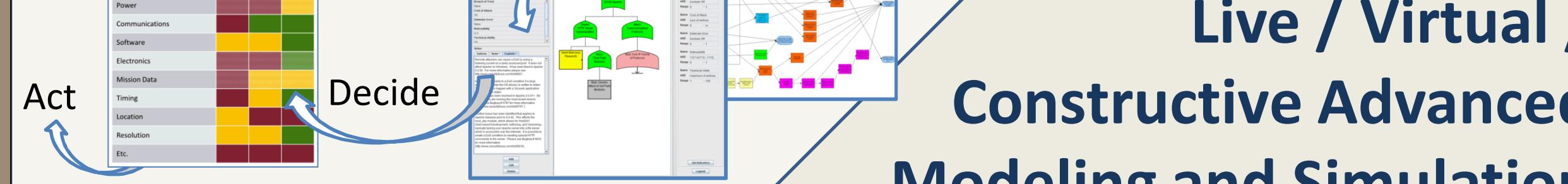
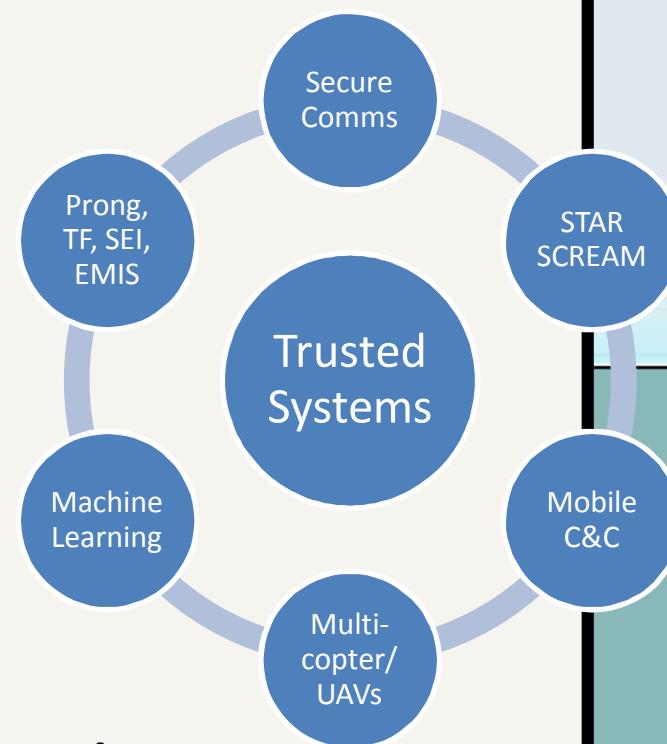


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Sandia Develops and Fields Unique Solutions Encompassing the Convergence of RF & Cyber

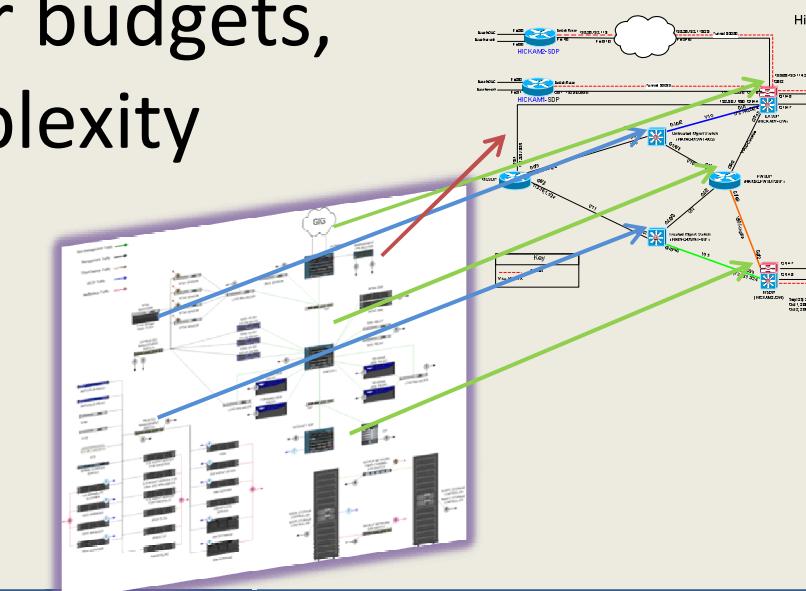
Trusted Systems

- Signatures Detection
- Merging Radio Frequency (RF) / Cyber Capabilities
- Machine Learning of Signatures
- Mobile Command & Control
- Demonstration Hardware



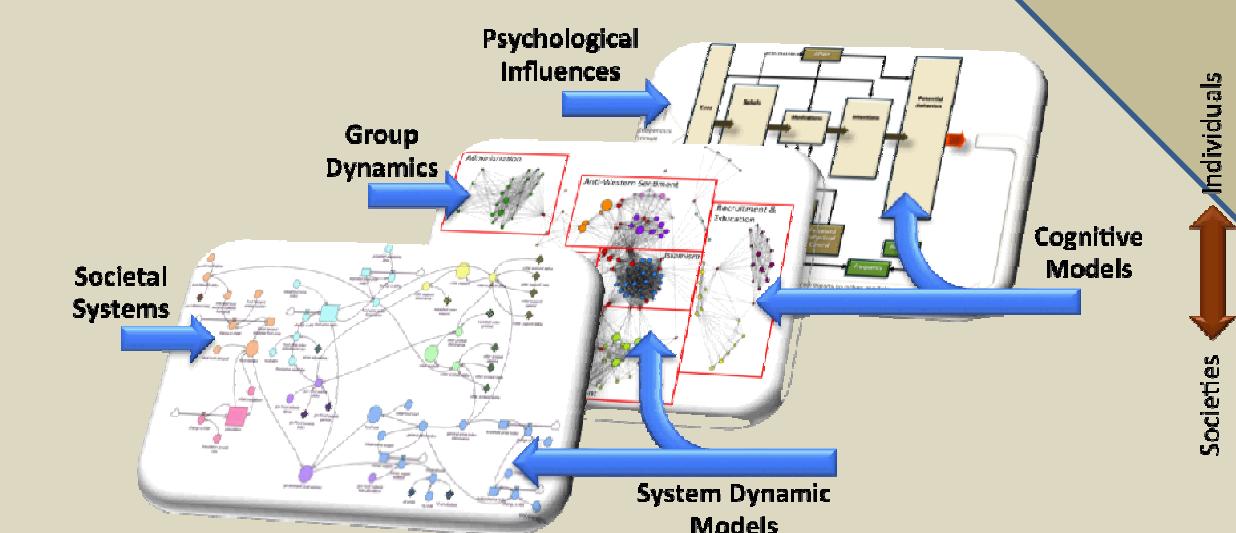
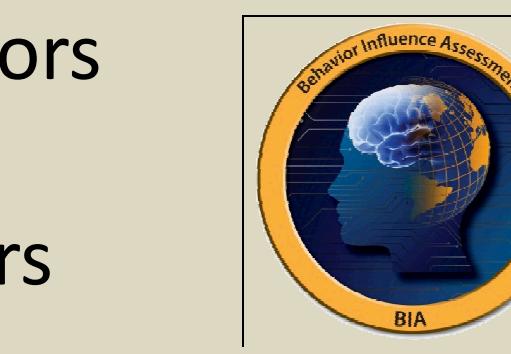
Live / Virtual / Constructive Advanced Modeling and Simulation

- Live – real hardware, real software
- Virtual – real software, virtual hardware
- Constructive – full simulation
- LVC elements provide variable fidelity models of systems meeting demanding timelines, smaller budgets, and greater complexity



Organizational Cooperation in Cyber Defense

- Anticipates/influences adversary behaviors based on psychological, social, and economic factors
- Focuses on specific individual/group behaviors within countries
- Can Incorporate data from cyber defense programs as well as training exercises



For more information, contact:
F. Mitch McCrory, Sandia National Laboratories
Phone: (505)845-3031 Email: fmmccro@sandia.gov

Sandia supports guardians of peace and freedom on the battlefield and in the lab by applying engineering, science, and technology solutions to deter, detect, defeat, and defend threats to our national security.