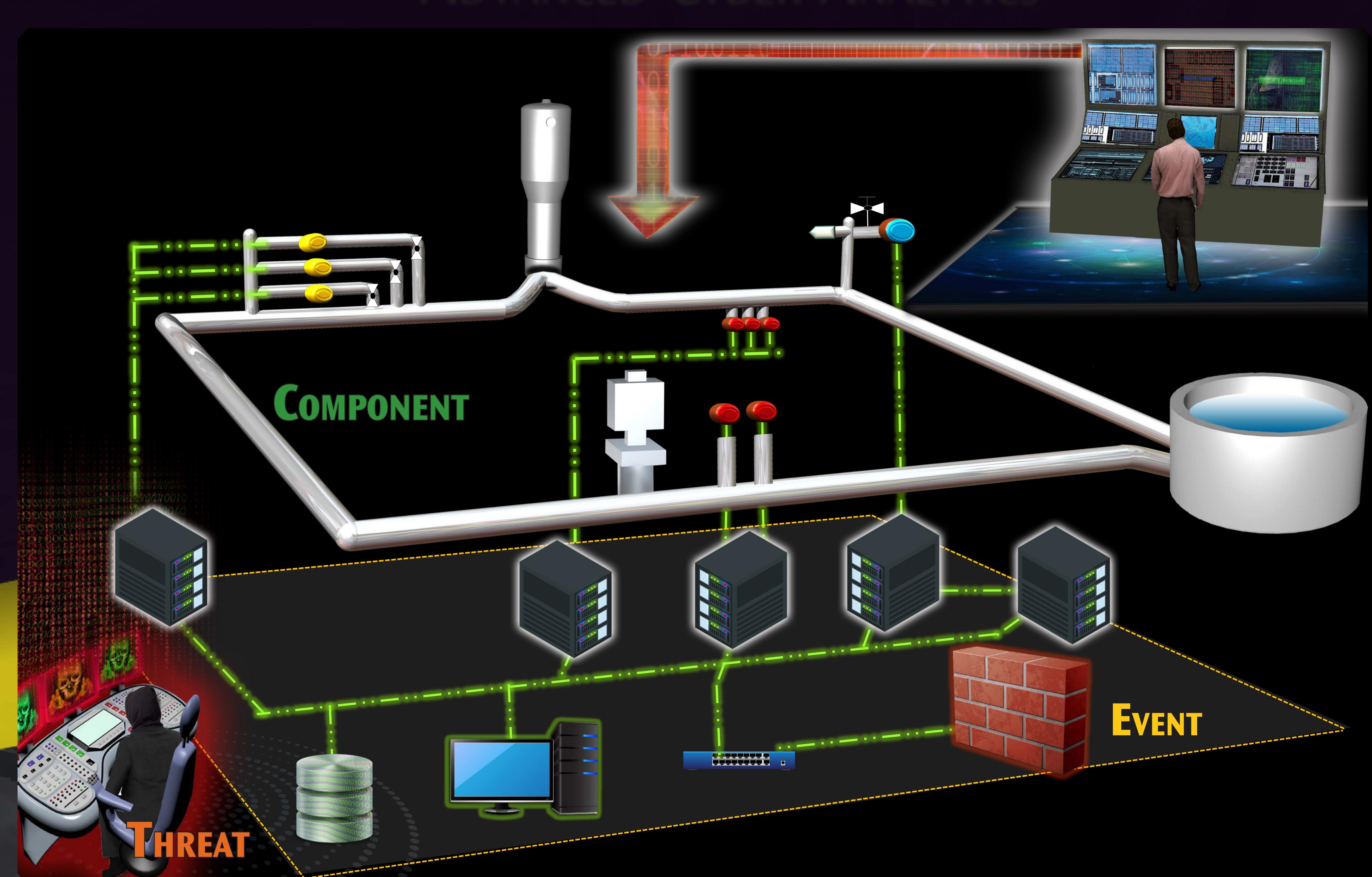
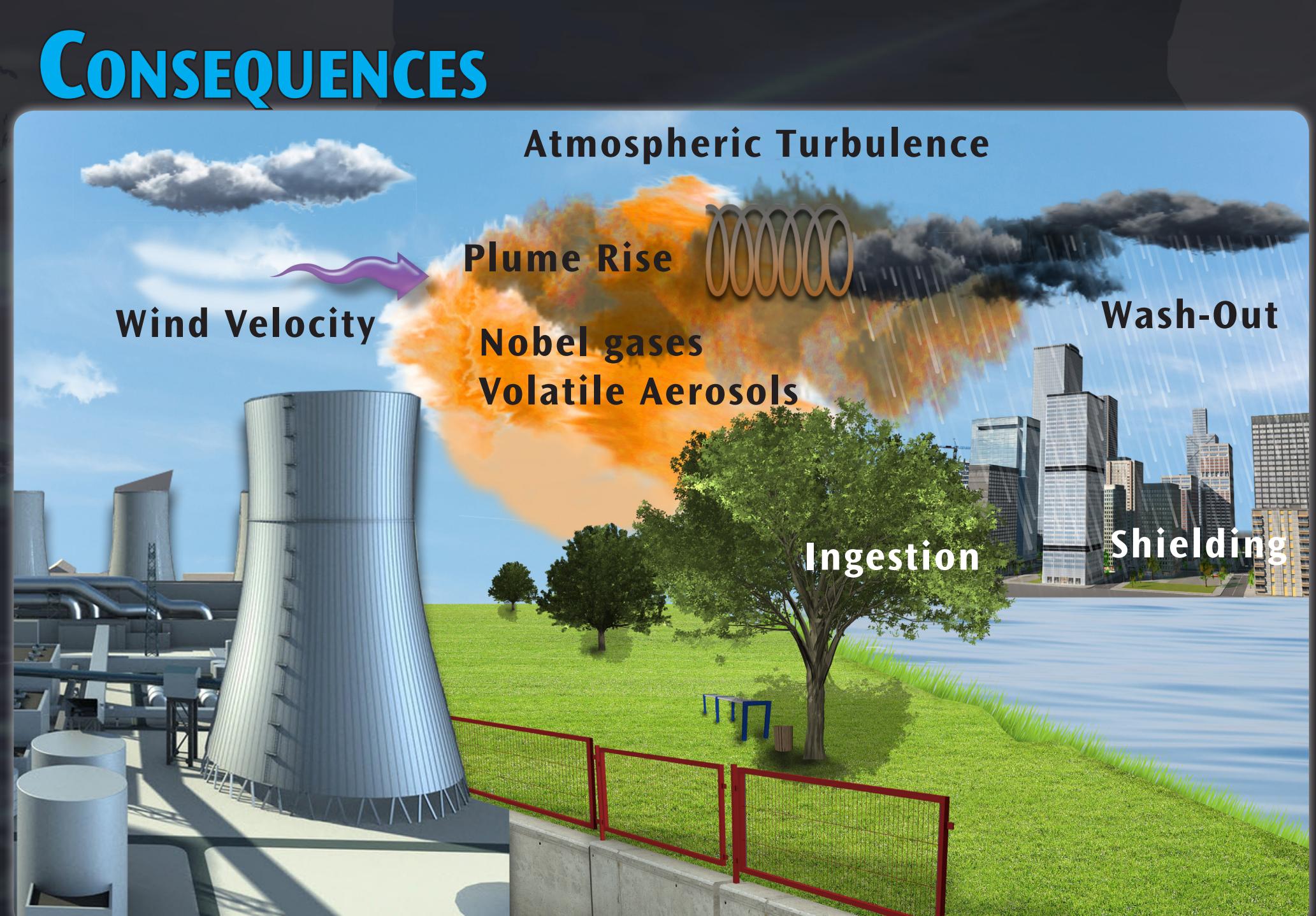
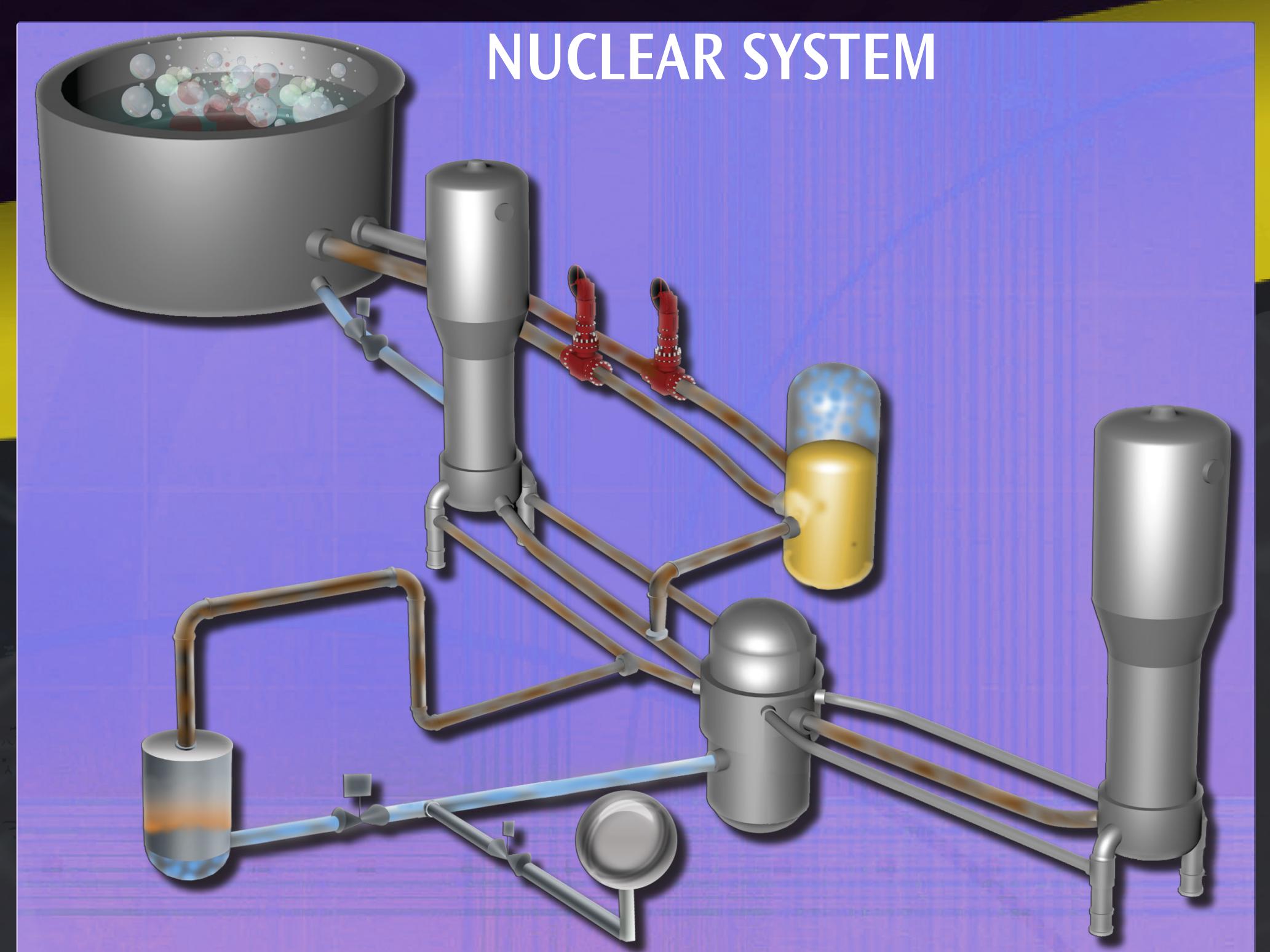
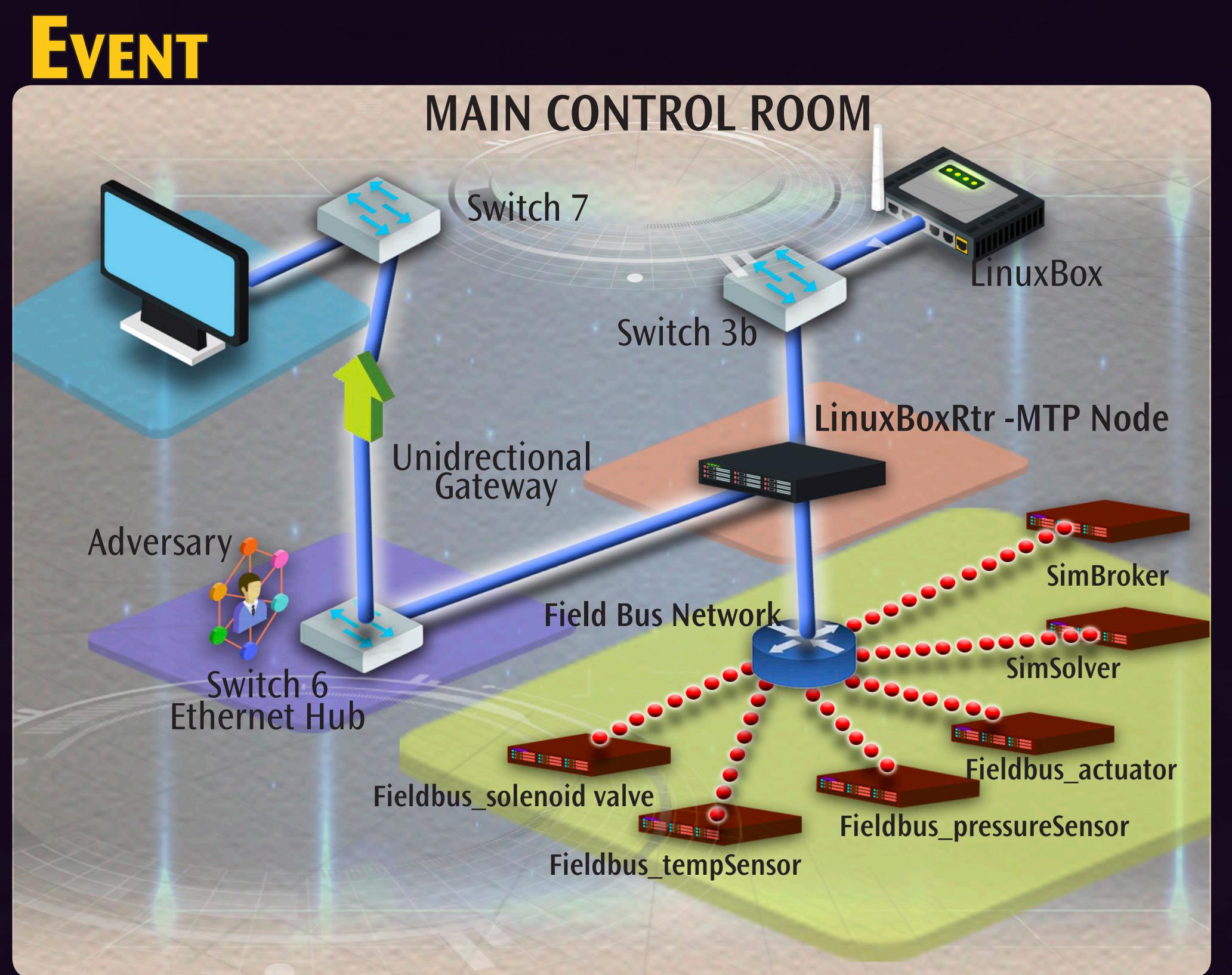


SANDIA'S NUCLEAR CYBER PROGRAM

INTEGRATING MODELING, SIMULATION AND ADVANCED ANALYTICS ACROSS DIVERSE DOMAINS TO ENABLE CYBER RISK MANAGEMENT

SAND2017-12227C



USE CASES - EXAMPLES

- NEW THREAT ANALYSIS - EXPLORE THE IMPACT OF NEW THREATS AND VULNERABILITIES
- TEST BED FOR INTEGRATING SYSTEMS - INSTALL AND TEST AN INTRUSION DETECTION SYSTEM (IDS)
- DESIGN SECURE ARCHITECTURES - EVALUATE PROTECTIVE MEASURES (PROTECT, DETECT, ETC.) SUCH AS ENCRYPTION
- OPERATOR INTERACTION ANALYSIS - PLANT OPERATORS DEVELOP CYBER ATTACK MITIGATION PROCEDURES
- INTEGRATED RISK MANAGEMENT - ANALYZE DIFFICULTY AND CONSEQUENCE FOR A CYBER ATTACK.