OT Simulation Platform

An IT/OT systems integration platform to build your entire company and industrial environment, primarily your virtual and physical production systems

- Train your team and experience realistic scenarios
- Simulate activities representative of your manufacturing operations
- Evaluate your equipment to pass operational qualification
- Test and evaluate your product in a secured way
- Powered by CyberRange
Use case 1: Practical training

- Learn good practices in basic attack prevention to raise awareness with all audiences
- Train your team with cyber skills or academic courses
- Create operational exercises close to daily environments
- Manage your company and your systems in a crisis scenario to test your process

Use case 2: Operational qualification

- Evaluate the impact of integrating new equipment, new rules or applying a security patch on a system
- Analyse the behaviour of cyber-attacks on our infrastructure without taking any risks
- Ensure maximum security to avoid production shutdown during a cyber-attack
- Reassure your customers about your cyber protection
- Validate certifications and ensure secure connections

Use case 3: Production testing

- Launch a pre-production evaluation of the impact of adding the selected product with the need to recreate a hyper realistic environment
- Evaluate your product before final selection
- Recruit new people with exams
- Explore new security equipment and procedures in a realistic environment

Industrial simulation

- Provides a complete industrial workspace connected to a computing environment
- Contains a list of scenarios inspired by real threats, combining all types of threats and information to know the state of attacks
- Offers the opportunity to validate new secured architectures and procedures in case of a system failure, the partial or total reset fast and complete to the nominal position of the architecture
- Gives a global vision of probes and various OT oriented safety devices connected in parallel
- Allows realistic behaviour of industrial processes, with logical value evolutions, based on simulations and modelling via specialised software

Integrated systems

- SCADA (electricity, gas, water, etc.), DCS (energy, oil, etc.), PLC (robots, cars, planes, etc.)
- Industrial network equipment (e.g., Stormshield)
- Controller (type L1 DCS) and HMI
- Historical servers and embedded platform
- Network architectures according to IEC 62443 and real implementations
- Industrial communications with various OT protocols (Modbus, Profieldbus, UMAS, S7, Ethernet IP, IEC 61850, IEC 104, DNP3, OPC, OPC-UA, etc.)
- Specific and repeatable operations and procedures, such as downloading the configuration and generation of defects, etc.
- A computer topology with typical services like AD, the computer firewall and user stations

Already used in Airbus factories to improve security and profitability

A bridge between the virtual and the physical world

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The OT Simulation Platform, designed to facilitate complex industrial integration projects

INTINTEGRATED SYSTEMS
✓ Simulation environment to create large IT/OT systems (virtual or hybrid) and reproduce realistic activity (traffic or cyber-attack)

WORK OPTIMISATION
✓ Increase productivity and efficiency with the use of component libraries, broadcast deployment and network configuration of machines or topologies

COLLABORATIVE WORK
✓ Technical base «shared», to work as a team on the same project simultaneously or to exchange resources

The OT Simulation Platform, a customisable platform available in the cloud or in a port

CLOUD OT SIMULATION PLATFORM

- **Standard**
  - Configuration of 2 work zones

- **Tailored**
  - Upgrade to 64 work zones

PORTABLE BOX OT SIMULATION PLATFORM

- **Standard**
  - Configuration of 8 work zones

- **Tailored**
  - Upgrade to 64 work zones

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