



Securing

Critical Business

OT Simulation Platform

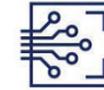
An IT/OT systems integration platform to build your entire company and industrial environment, primarily your virtual and physical production systems

- 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



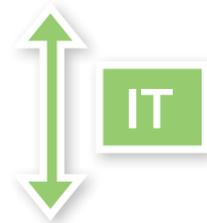
Industrial simulation

- ✓ 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

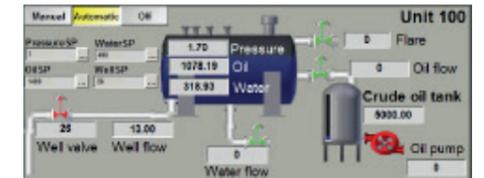
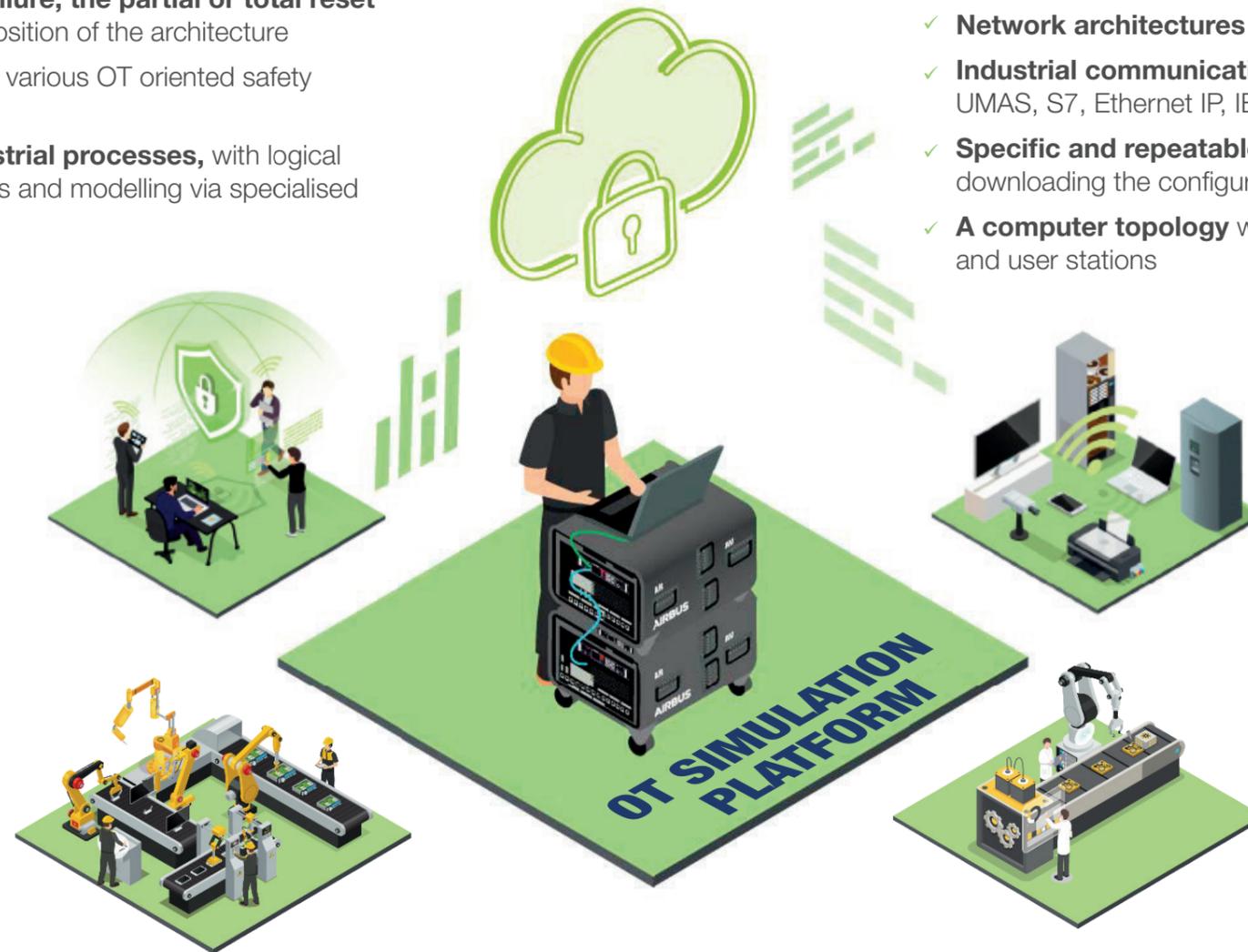
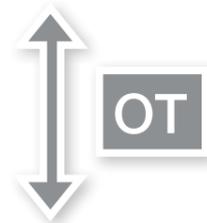


Integrated systems

- ✓ 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, Profibus, 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



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

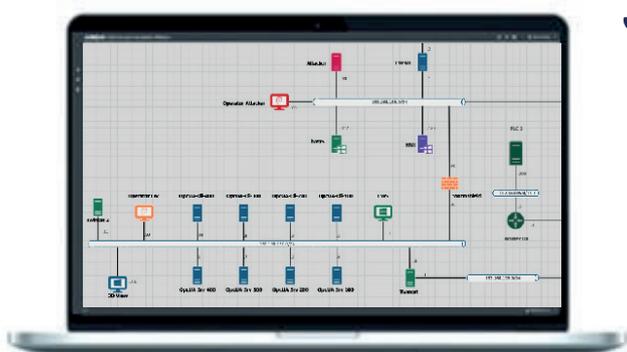
- ✓ Evaluate the impact of integrating new equipment, new rules or applying a security patch on a system
- ✓ Analyse the behaviour of cyber-attacks on our infrastructure without taking any risks
- ✓ Ensure maximum security to avoid production shutdown during a cyber-attack
- ✓ Reassure your customers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

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



INTEGRATED 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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