CyberRange
Integration and simulation platform of IT/OT systems
All-in-one advanced solution to meet all your simulation, testing and training needs

**A HYBRID PLATFORM WITH ADVANCED FEATURES**

**DESIGN**
- Design of representative IT and OT systems
- Build your virtual infrastructures made of virtual and external assets such as physical equipment and get closer to your context
- Import, export and save your topologies
- Capitalise your work by extending the built-in libraries of components and actions
- Customisation of topologies’ graphical representation to give more context and realism

**SIMULATION**
- Creation and orchestration of complex scenarios replicating realistic actions
- A starter-pack library to configure (machines, actions, life generators, cyber-attacks)
- Hybrid modelling by combining physical and virtual systems
- Includes ready-to-use IT and OT libraries and scenario examples

**COLLABORATION**
- Multi-site collaborative teamwork, light client accessible from a web browser
- 150+ ready-to-use contents available in the HUB
- Management of multiple and isolated workspaces, with access rights per user
- Resource sharing (VMs, topologies, scenarios) through a unique Community portal
- Ability to chat with connected people

**WHY DO YOU NEED A CYBERRANGE?**
- **Test & Train**: test integration changes in realistic IT/OT systems and train your teams
- **Collaboration**: Join the CyberRange community and contribute to the library of existing bundles
- **Agility**: Work alone or in a team in the same workspace or in parallel in different spaces
- **Safety**: Perform operations in an environment isolated from your production systems
- **Training**: Deliver training services for your teams, for cyber experts and for a wider public
- **Recruitment**: Asses candidates cyber skills and recruit them quickly

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**A unique and versatile platform designed for a wide range of users and sectors**

CyberRange adapts to the needs of a large spectrum of users and their specific operational contexts:

**USERS**
- Conduct tests, train and practice on cyber scenarios

**TRAINERS**
- Define, plan and deliver collaborative training courses (including multi-site)

**INTEGRATORS**
- Model systems and integrate IT/OT infrastructure

**EXPERTS**
- Build test or cyber-attack scenarios

**GAMING MODULE**
Do you want an immersive experience for your users? CyberRange offers a gaming portal with designed ready-to-use realistic challenges to create instinctive skill path and self-driven practice for attendees. The Gaming Portal includes solo, team modes and performance reports. It offers an immersive experience through a unified interface with aesthetic graphics, scoring and live support.

**REMOTE SWITCH**
The Remote Switch enhances your CyberRange capabilities by allowing you to easily interconnect your CyberRange topology to remote physical equipment, enabling the connection of your IT and OT equipments to a virtual infrastructure hosted in your CyberRange platform. Thanks to the Remote Switch and with a very simple configuration, you will be fully ready to create large and complex topologies using both physical and virtual devices.

**WE OFFER OPTIONS TO EXTEND CYBERRANGE’S CAPABILITIES**

**PARTNERS & CLIENTS**
- Ministries of Defence France, Italy
- Industries Framatome, IRSN, CEA, UIMM...
- Organisations NeverHack, StormShield, Campus Cyber
- Schools and Universities CNAM GrandEst, ENSIBS, ESIEA, ISEN, IMT Atlantique, Telecom Nancy, ESNA Bretagne, ESAIP, ECAM, AFORP, ISEP...

**MULTIPLE ACCESS SOLUTION**
CyberRange is available:
- As a SaaS
- OnPremise
- Through a mobile box

Airbus Defence and Space can provide additional services on infrastructure construction, scenarios and CyberSecurity training. For more information, please consult our catalogue.
What are the main CyberRange use-cases?

PRE-PRODUCTION TESTING
- Easy access to an integration platform
- Work collaboratively in isolated or shared environments
- Test new equipment and safety procedures in a realistic environment

OPERATIONAL QUALIFICATION
- Evaluate the impact of new equipment integration, new rules or security patches on a system
- Analyse the behaviour of cyber attacks on your infrastructure without taking risks

TRAINING
- Train your teams in operational exercises close to their daily environment
- Evaluate the efficiency of your security system in the context of a cyber crisis management exercise involving technical teams

A renowned solution

GAMING
- Raise the awareness of all your staff and train them in correct cybersecurity practices by setting up "gamified" challenges
- Increase the skills of your cyber teams or keep their knowledge up-to-date in order to deal with new threats environment

The CyberRange has strengthened our teaching approach with more technical and operational exercises in realistic environments, providing high-quality training for our customers

Florence Puybareau
Head of Operations
Campus CYBER Hauts de France

The CyberRange is the leading platform for major events CTF (ECW, EC2)
250+ participants have already fought against each other in teams for 8 hours
1550+ machines operated simultaneously on the CyberRange platform

A renowned solution

Used by 25 schools & universities
More than 1000 students are trained on the CyberRange across Europe

Security Trophy
Gold Medal 2023
CyberNight Trophy
Silver Medal 2023
France Cybersecurity
2021 Label

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