Cybels Train & Experiment
Enhance your cyber experience with practice
The cyberattack techniques are increasingly complex and hard to detect. Cyber analysts teams need to be prepared to react on threats once a system has been compromised. Three main pillars must be considered:

- **PEOPLE**
- **TECHNOLOGIES**
- **PROCESSES**

The only way for you to know if these pillars are strong enough to face the most advanced cyberattack, is to test and challenge them in a safe environment!

**Supporting you in**
- Upskilling cybersecurity staff
  - **improving cyber R&D capabilities**
  - **to enhance cyber resilience**
- Train and challenge your cybersecurity people
- Prepare, Test and Optimize your IT architectures
- Test the efficiency of your security solutions in your own environment

**Cybels Train & Experiment, an offer specifically designed for you**

A turnkey solution with all the content that is customized depending on the needs (training and/or R&D) specific technologies, environments or businesses.

- **Platform replicating your infrastructure in a safe and virtual environment.** We create a digital twin for your immersive experience,
- **Rich portfolio of exercises, courses and learning paths based on the most advanced technics, tactics, procedures of attacks,**
- **A sandbox platform to experiment new technologies,**
- **An open & scalable solution.**

**What it will bring to you**
- **Ability to face any cyber-attacks targeting your organization!**
- **More confidence in your cybersecurity products,**
- **Money saving with targeted investment on the adapted cybersecurity solution;**
- **A privileged cyber range community – to share cyber concerns and solutions.**
A comprehensive offer capitalizing on a complete range of solutions and services

**Cybels Train & Experiment**

**Key advantages**
- A pedagogic method based on immersive simulations and practical exercises
- A large catalog of use cases customized by technical domains (avionics, ground transportation, OT, Defense...)
- On-demand contents developments to meet your advanced needs (exercises, events, projects...)
- A daily link to our Cyber Threat Intelligence Services ensuring the inclusion of all latest threats & attacks over the World
- A support for the co-development of your own cyber Lab or cyber Academy
- A Worldwide implantation with a community sharing experience and contents
- A cooperation and long term experience with major actors (space, companies and critical industries, etc.)

**Leveraging 3 main pillars**

**Trainings**
- Cyber Wargames
- Cyber Academy
- Maintaining skills

**Research**
- Proof of concepts
- Tech development
- Scenario simulation

**Evaluation**
- Evaluating products
- Sandpit Environment

**Cybels Range**
- Platform and tools with expert contents

**Cybels Lab**
- Turnkey solution for cybersecurity R&D and training

**Cybels Academy**
- Cybersecurity excellence centre

**Cybels Train & Experiment Market Place**
- Digital platform to access contents

**Cybels Train & Experiment Professional Services**
- Platform leasing
- Exercises & events
- On-demand professional services

All projects are federated through a worldwide product community
The cyber range platform is a turnkey solution offering packaged contents and administration as well as pedagogic tools.

It offers a capacity to virtualize your networks and test the resilience of these networks to Cyber attacks in a safe environment. Cyber security staff thus improve their cyber readiness through representative scenarios.

Cybels Range prepares your teams for real life scenarios, even the most challenging ones and enables you to keep pace with the latest threats as it is connected to Thales’s Cybels Threat Intelligence platform.

**Main assets**

- Continuous improvement with yearly updates
- Customers’ autonomy, with or without internet connection
- Unlimited capacity to create contents (topologies, attacks...)
- Supplied with pre-installed libraries on administration tools

**Cybels Range Powered by DIATEAM, A CUSTOMIZED PLATFORM WITH EXPERT CONTENTS**

- **Robust solution**: More than 15 years background, Lot of Ministry of Defence, governmental entities, Universities using it
- **Customisable**: adapts to any user needs and to the Cyber Threat environment
- **Realistic**: provides a full replication and simulation of your operational environment, including a traffic generator
- **Versatile**: virtualizes all types of IT network architectures and OT systems
- **Extensive** component and content library
- **Hybrid**: connects virtual and real components, whether hardware and software
- **Learning Suite**: A complete tool to administrate and manage learning sessions
An academy to train your national cyber workforces:
Cybels Academy is provided to customers in a all ready to roll format with a professional training program through training exercises, contents and methods. It helps in addressing the education needs for cybersecurity jobs.
Trainings are thus tailored to specific requirements or markets such as transportation, avionics, space or governmental organisations, and raise the highest level of participant satisfaction.
Partnerships are implemented with universities and institutes to develop academic courses.

CybelS lab, a turnkey solution for cybersecurity R&D and training
A facility built on top of a Cyber Range platform in order to organize:
R&D facilities benefit from a solution providing an extended simulation, training capabilities and coaching. Training content is remotely available and created with our support. The lab is specifically designed to address any IT infrastructure, or OT industrial environment specificities.

REFERENCES
NDEC (National Digital Exploitation Centre): a partnership with the Welsh Government and the University of South Wales, UK
- Providing an on-site expertise accessed by enterprises as General Electric to evaluate, develop and test digital concepts in a safe and secure environment
- Educating communities, small businesses and national enterprises on the importance of cybersecurity
- Supporting the development of a national cyber strategy

DCC Nederland: The Dutch Ministry of Defence, department of Cyber Defence Command. The cybersecurity training and testing facility providing:
- Simulation of realistic cyber-attacks, incidents and protective measures
- Continuous support to the DCC provided by Thales for the following three years

Thales Belgium: a cyber competence centre dedicated to Critical Information Systems for communications and Cybersecurity activity, Tubize, Belgium.

Thales Mexico: the first Thales Cyber Academy of Latin America.

Cybels Academy, a recognized cybersecurity excellence centre
An excellence and reference centre
Certified learning path, full cursus
- CISO, Forensic experts, SOC analysts, etc.

Specialized cyber training modules

International cybersecurity exercises

An academy to train your national cyber workforces:
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REFERENCES
Oman Advanced Academy (ACA):
- Objective: Providing Cyber Range Platforms and a full program of cybersecurity training to the country. Allowing the training of more than 150 Cybersecurity students/year and the transfer of knowledge in order to develop a cybersecurity autonomy in the country

Dubai Cyber Node in collaboration with Dubai Electronic Security Centre (DESC):
- Objective: A full programme of cybersecurity training for government and countries critical industries, plus remote simulation and exercises for the Universities
Cybels Train & Experiment Professional Services

To help organizations, Thales proposes professional services.

- **Evaluation of security products and architecture**
  Capitalising on the Cyber Range, the offer allows to test your infrastructure through realistic simulations of networks and technologies. It enables to evaluate the level of security of organisations’ system without impacting the organisation’s activity.

- **Maintain or develop cyber skills through cybersecurity training sessions**
  A complete catalog of courses in order to help our customer to increase the skills of their teams [incident response teams and other staff] thanks to a challenging work environment.

- **Develop bespoke training for Awareness and improvement**
  Based on a methodology and on specific customer needs. Companies’ staff can practice through realistic simulation of network and used technologies. A capacity to evaluate guidelines and incident response procedures.

- **Evaluate internal process and relevant governance**
  Cybels Train & Experiment Professional Services is a platform leasing allowing to challenge people and working environments. It provides means for trial or demo, basic and advanced cybersecurity modules as well as adapted tools for short-term projects.

Cybels Train & Experiment Marketplace, a Collaborative Digital Platform to Exchange Contents (Soon Available)

A unique worldwide market place:

- **Inventory of all existing contents accessible everywhere** (topologies, courses and libraries of virtual components) and customisation on specific markets
- **A collaborative market place**: each user is a contributor with all training modules available for sharing
- **Save cost in mutualizing expert contents**

Platform Leasing

On-Demand Professionnal Services

Specific contents development (Virtual machines, topologies...)

Customized exercises (Crisis management...)

Infrastructure and product testing

Cybels Train & Experiment
CAPITALIZING ON A WORLDWIDE FOOTPRINT

INSTITUTIONS

France Cristal
Open since 2019

UK Cardiff University
Open since 2020

UK National Digital Exploitation Centre
Open since 2020

Netherland DCC
Open since 2019

Belgium Thales Lab
Open since 2019

Mexico Thales Lab
Open in 2021

Oman Academy
Open since 2019

Dubaï Thales Node
Open since 2020

Qatar University
Open since 2019

Australia Thales Lab
Open since 2019

CRITICAL OPERATORS

AIR TRAFFIC MANAGEMENT

DEFENSE

INSTITUTIONS

ENERGY & CONNECTED INDUSTRIES

Cybels Train & Experiment, In a NutsheL

THALES CYBER TRAINING EXPERTISE TO SUPPORT YOU

- Courses, modules and learning paths internally used by our 1500 cyber experts.
- 11 THALES CYBER LABS opened in the world in 2021.
- Along with our trusted partner Diateam, the French reference for large scale civil and military cybersecurity exercises.
- 15 years’ experience.
- Customers praise the cyber range as the most ergonomic solution on the market.