



AIT CYBER RANGE - TRAINING CENTER

CYBER SECURITY BY TRAINING AND EXERCISE

AIT's Cyber Range is a virtual environment for flexible simulation of critical IT and industrial OT systems with complex networks, different system components and users. It provides a secure and realistic environment for analysing and testing incidents in various scalable scenarios without using real production systems. This allows different security processes to be rehearsed for live operation and special incident response processes for cyber incidents to be tested, in order to meet the highest security requirements for system architectures and operating processes. The AIT Cyber Range training courses and exercises address the cyber security needs of staff, IT professionals, CERTs/CSIRTs, management and advisory boards in industry, research and government.

THE AIT CYBER RANGE SUPPORTS

- Training
Cyber security training for increasing cyber security capabilities of staff (from general staff to managers) in organizations.
- Exercise
Hands-on experience on incident management and response for staff, CERTs/CSIRTs in a simulated virtual environment.
- Research
Cyber security research on infrastructures and scenarios that are needed to maintain resilience of organizations.
- Development
Secure development of software related to incident management and cyber security.





The AIT Cyber Range was developed by AIT in a strategic cooperation with the IAEA International Atomic Energy Association www.iaea.org. Beside using the Cyber Range in the academic sector for education it is used for global cyber security trainings for the nuclear sector as well as for governmental cyber security exercises.

USP OF THE AIT CYBER RANGE

- In addition to classical IT, dedicated skills and cyber security functions for the industrial OT (Operational Technology) sector
- Highly flexible service platform (architecture, scenarios, etc.) enabling flexible trainings and exercises according to customer requirements
- High competence at AIT on cyber security technologies, methods and tools due to the dedicated research programme

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REFERENCES

- IAEA training courses in East Europe, Africa and Asia
- Austrian Cyber Exercise 2017 and Austrian/German/Swiss Cyber Exercise 2021; video: <https://youtu.be/goc50dmAYpl>
- Cybersecurity Innovation Challenge with the United Nations Counter-Terrorism Centre (UNCCT), United Nations Office of Counter-Terrorism (UNOCT), United Nations Office of Information Communication and Technology (OICT), <https://t1p.de/e4eks>
- Cyber Security trainings for critical infrastructure operators (Energy, Finance, Traffic, etc.)
- AIT is first “IAEA Collaborating Centre” for Information and Computer Security for Nuclear Security

FURTHER INFORMATION

- www.cyberrange.at

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