

CYBERSECURITY MATURITY ASSESSMENT

This competency focuses on assessing the cybersecurity readiness of organisations by evaluating the vulnerabilities and maturity of their IT systems, networks, and operational processes. It provides a structured Cyber Audit service combining technical assessments, process evaluations, and expert analysis to identify security gaps and systemic risks. The activity supports partners in understanding their current security posture and developing prioritised, actionable roadmaps to strengthen cyber resilience. The competency contributes to research, development, and innovation by aligning organisational cybersecurity practices with evolving regulatory frameworks and industry standards.



ACHIEVEMENTS

- Conducted comprehensive cybersecurity simulations and maturity assessments for national institutions and industry partners.
- Supported organisations in identifying strengths, vulnerabilities, and development priorities through structured testing and evaluation.
- Developed modular cyber range environments and assessment frameworks adaptable to technical and organisational contexts.
- Contributed to strengthening institutional and industrial cyber resilience through applied research, education, and hands-on training activities.



INFRASTRUCTURE

- SOC/SIEM simulation and evaluation toolkits for security operations maturity analysis.
- Vulnerability scanning and penetration testing tools for infrastructure and application assessment.
- Cyber audit methodologies aligned with international best practices (e.g. NIST, ISO/IEC 27001).
- Expert advisory capacity supported by cybersecurity researchers and experienced practitioners.



REFERENCES

- Corporate Cyber Maturity Assessment Programme implemented with BOSCH.
- Cybersecurity Maturity Evaluation conducted in cooperation with the National Security Service (NBSZ).
- Institutional Cyber Resilience Audit carried out with the Ministry of Defence (HM).
- Higher-education cybersecurity capability assessment delivered for the University of Public Service (NKE).