



The project “Vernetzte IT-Sicherheit Kritischer Infrastrukturen” (VeSiKi) – Networked IT Security of Critical Infrastructures

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About VeSiKi and ITS|KRITIS

The project “Vernetzte IT-Sicherheit Kritischer Infrastrukturen” (VeSiKi – Networked IT Security of Critical Infrastructures) and 12 other research projects constitute the programme “IT-Sicherheit für Kritische



Infrastrukturen” (ITS|KRITIS – IT Security for Critical Infrastructures), a research initiative funded by the German Federal Ministry of Education and Research from 2014 to 2018.

In these 13 projects, about 80 critical infrastructure operators, technology providers and research institutions work on novel concepts and technologies for IT security in critical infrastructures in a collaborative research process coordinated by VeSiKi.

Fig. 1: 13 research projects with a total of about 80 partners collaborate in ITS|KRITIS (www.itskritis.de)

Results of the project VeSiKi

The ITS|KRITIS programme summary “State of the Art” illustrates the results of the 13 research projects.

The studies “Monitor” and “Monitor 2.0” provide an overview of the threat landscape, IT security strategies and perceptions of risk and security.

The interpretations of, e.g., the German IT Security Act or the NIS directive are an essential theme in the collaborative research process. The security navigator (www.security-standards.de) provides a collection of German, European, and international norms, standards, and legal acts.

The case study series CASE|KRITIS comprises nine case studies, an introduction to core topics of IT security in critical infrastructures, and a cross case analysis on success factors of IT security projects, products, and cultures.



Fig 2: Monitor, Monitor 2.0, CASE|KRITIS, ITS|KRITIS platform, State of the Art and IT Security Navigator (www.itskritis.de, www.security-standards.de)

The IT security matchplay series with the games Operation Digital Snake, Owl and Chameleon developed as serious games makes awareness training a fun experience.

The platform www.itskritis.de supports knowledge transfer among the 13 ITS|KRITIS projects and, furthermore, between the projects and the general public. While an internal area focuses on networking, communication, and collaboration among the researchers and practitioners in the projects, a public area provides information on major topics, ITS|KRITIS activities and events as well as project results.

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