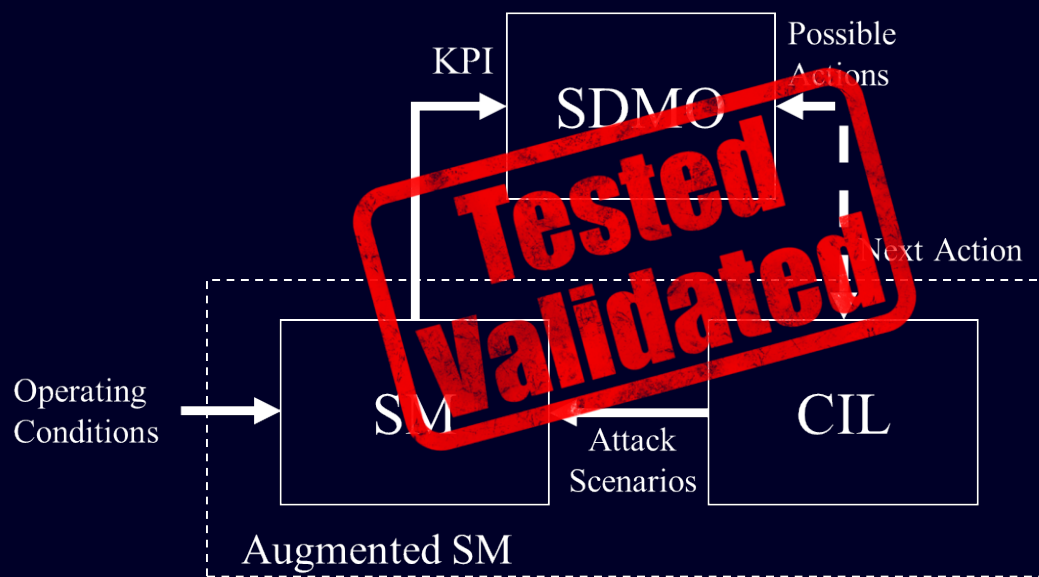


GRID-CARE (power GRID Cyberattack Assessment for Risk idEntification)

DOE Digitizing Utilities Prize Round 2, Track 2



Results for Holy Cross:

- 19 most critical potential cyberattack scenarios
- 4 assets of the same type
- Relevant potential impact to the system operation

Key information to guide cybersecurity decisions and improve the security posture.

Siemens Technology

LATEOS team:

Dr. Bruno Paes Leao
Dr. Siddharth Bhela
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Gaurav Srivastava

Utility partner:



Goal achieved: Integration of power system operation into cybersecurity assessment for identification of most critical potential cyber threats affecting the grid operation.

Feedback from the utility

The proposed solution provides a mechanism to help guide [cybersecurity] decisions.

The solution provides a consistent framework, removing [...] qualitative, personal judgement.

An automated analysis [...], as can potentially be enabled by this methodology, is a great benefit to the industry.