## Analysis of and Mitigation Strategies for Real World OT Security Incidents

## Nico Fechtner

Technical University of Munich, Arcisstraße 21, 80333 Munich, Germany nico.fechtner@tum.de https://www.tum.de/en/

**Abstract.** The abstract should briefly summarize the contents of the paper in 150–200 words. The goal is to communicate: Background/motivation/context, Aim/objective(s)/problem statement, Approach/method(s)/procedure(s), Results, Conclusion(s)/implications.

Keywords: OT Security · Security Incident · Triton.

- 1 Introduction
- 2 Related Work
- 3 Comparative Overview of OT Security Incidents
- 3.1 Targets
- 3.2 Threat Actors
- 3.3 Techniques
- 3.4 Dwell Times and Reactions
- 3.5 Detection and Mitigation Strategies
- 3.6 Impacts
- 4 Detailed Analysis of the Triton Attack
- 4.1 The Petro Rabigh Oil Refinery
- 4.2 The Attackers' Approach
- 4.3 Impact
- 4.4 Attribution
- 4.5 Prevention of Attacks Targeting SIS
- 5 Conclusion

## References