

Airbus CyberSecurity

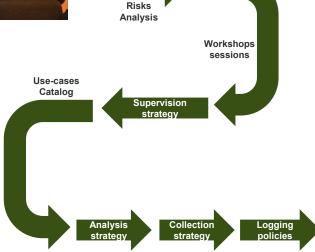




Detection for railway system: the challenges

- Continuous monitoring during system operational time
- Intervention level definition
- Incident response strategy
- Need for handover after a fix period
 - Railway systems not natively in Airbus Portfolio
 - Partner identification for Design and Build
 - Incremental Integration in sub-systems then global system
 - Validation and test
- Heterogeneity of equipment and logging capabilities
- Identify key assets
- Build relevant use cases

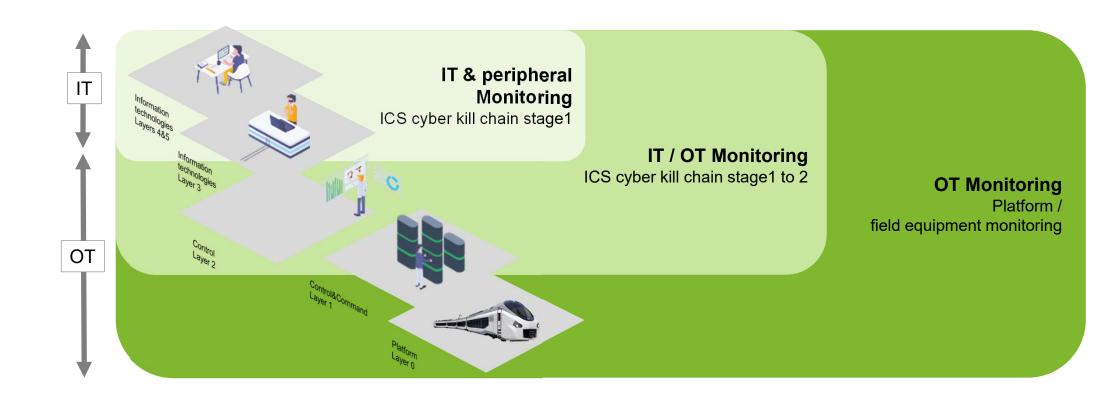




Feared

Events

Several supervision strategies



Key feedbacks

Foster a step-by-step approach

To master specific railway projects (very long V-Cycle, risk analysis, vocabulary, sub-system split)

Include cybersecurity early in conception

Collection Strategy
Definition of Auditing Policy (Logs)

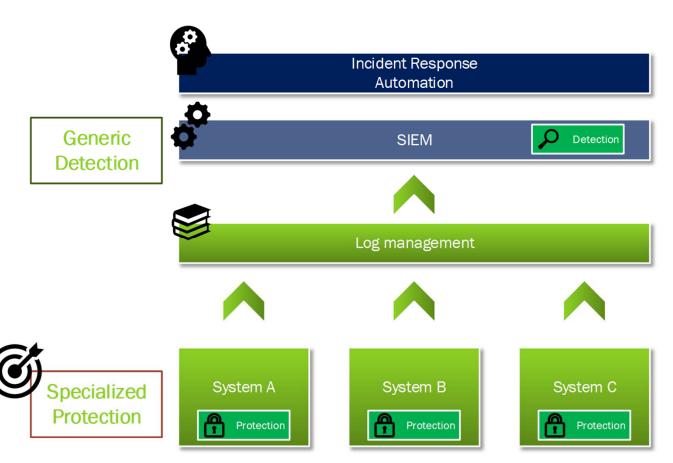
Elaborate a realistic detection strategy

Detailed attack scenarii identification & likelihood Priorization of asset to secure according to criticity Extension of Risks scope over time

Current technical detection solution

All SIEM Architecture

- SIEM agglomerates all logs
- One tool fit all systems...
- so one security team has to master every system
- Usually limited to some systems because of cost
 - ➤ Attacks are becoming faster
 - ➤ We need a view on all attack surface...
 - ➤ ... at every step of the attack



A new technical paradigm for Detection & Response

SOAR Architecture

- Specialized detection
- > Relying on editors' operational knowledge
- SOAR is a 360° Security view on all IS
- Easier integration of Remediation tools
- Increase Analysts' insight
- SIEM still a solution along with :
 - > EDR
 - > NDR
 - ➤ DLP
 - Vulnerability management
 - Cloud solutions
 - **>** ...

