

a square lock does not keep the attacker away





dublin_dubhlinn • Folgen





dublin_dubhlinn 429 Wo.

Would this cabinet being open be a worry or a concern? Asking for a friend #middleofnowhere #slovakia #train #dublin_dubhlinn #dublin #ordinarylife #fslc #followshoutoutlikecomment #follow #shoutout #followme #comment #f4f #s4s #l4l #c4c #followback #shoutoutback #likeback #commentback #love #instagood #photooftheday #pleasefollow #pleaseshoutout #pleaselike #pleasecomment #follows #like



100100_others 429 Wo. Beautifull

Gefällt mir Antworten







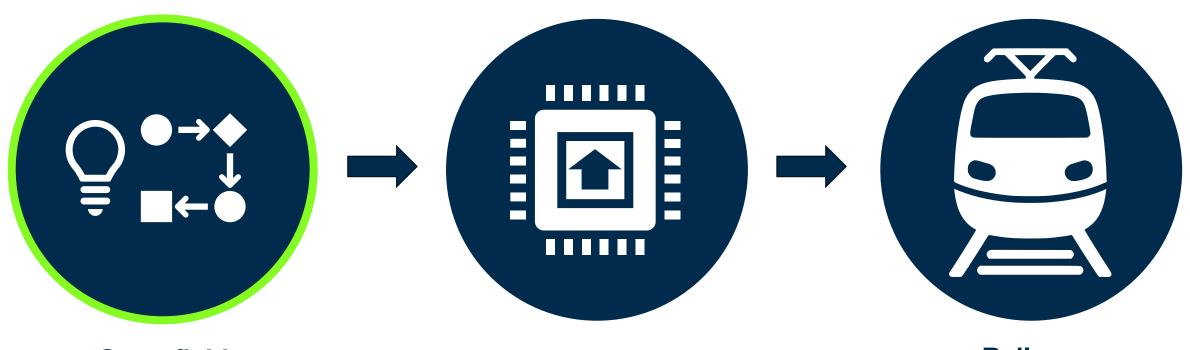


Gefällt 53 Mal

26. August 2017

Melde dich an, um mit "Gefällt mir" zu markieren oder zu kommentieren.

Let's focus on three use cases of the Cyber Resilience Act.



Greenfield development of components

Start from scratch

02.12.2025

Upgrading existing components

Enhance existing systems

Railway retrofitting

Adapt legacy trains



Greenfield development of components

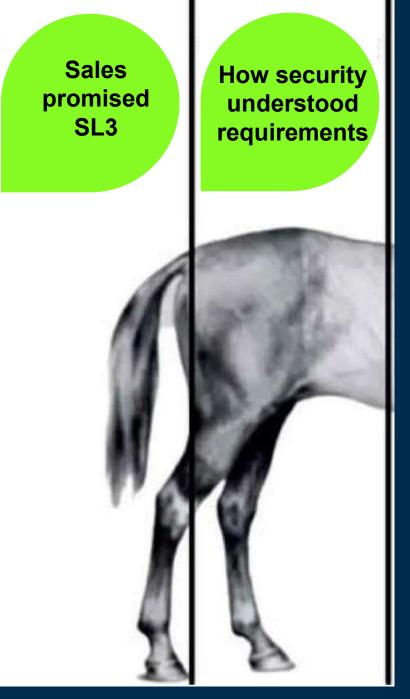


Greenfield development of components



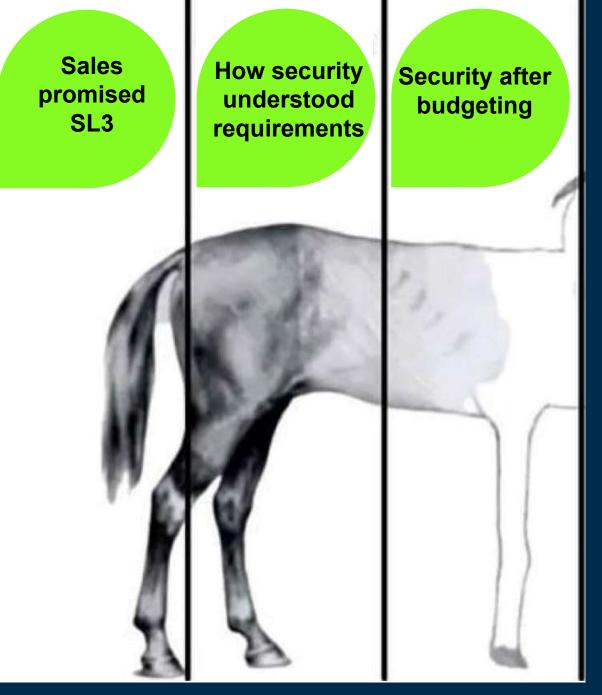


Greenfield development of components





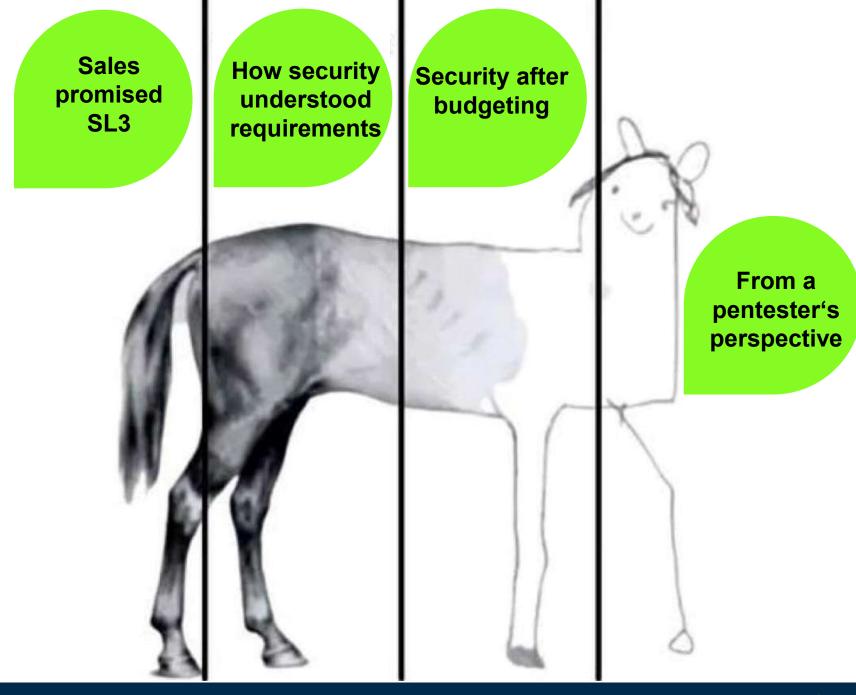
Greenfield development of components



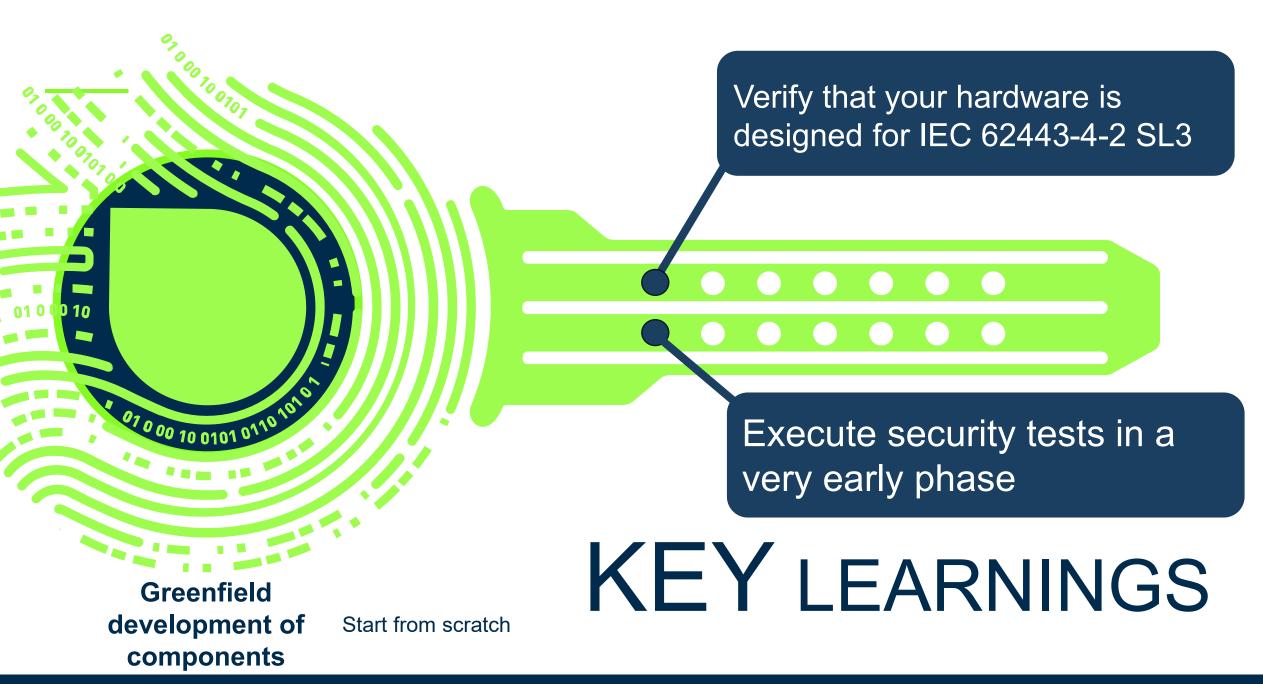


Greenfield development of components

Start from scratch



codewerk



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Greenfield development of components

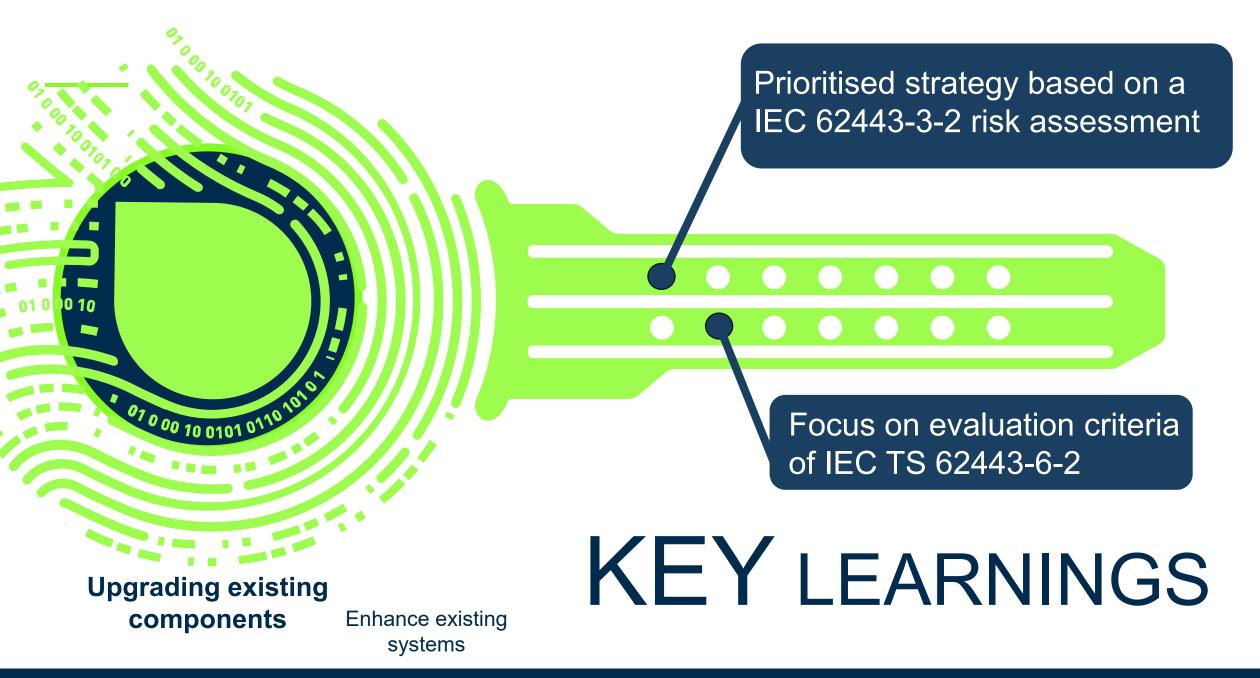
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Product development according IEC 62443-4-2 and IEC TS 62443-6-2

IEC 62443-4-2

What shall be implemented?



Network protocols require:

Confidentiality
Integrity
Authenticity

Insecure OT protocols:

CAN, MVB, WTB, TRDP, PROFINET

Is it possible to achieve 4-2 conformity with these protocols?

IEC TS 62443-6-2

How shall it be tested?



Insecure fieldbus protocols can be used if compensating countermeasures are implemented.

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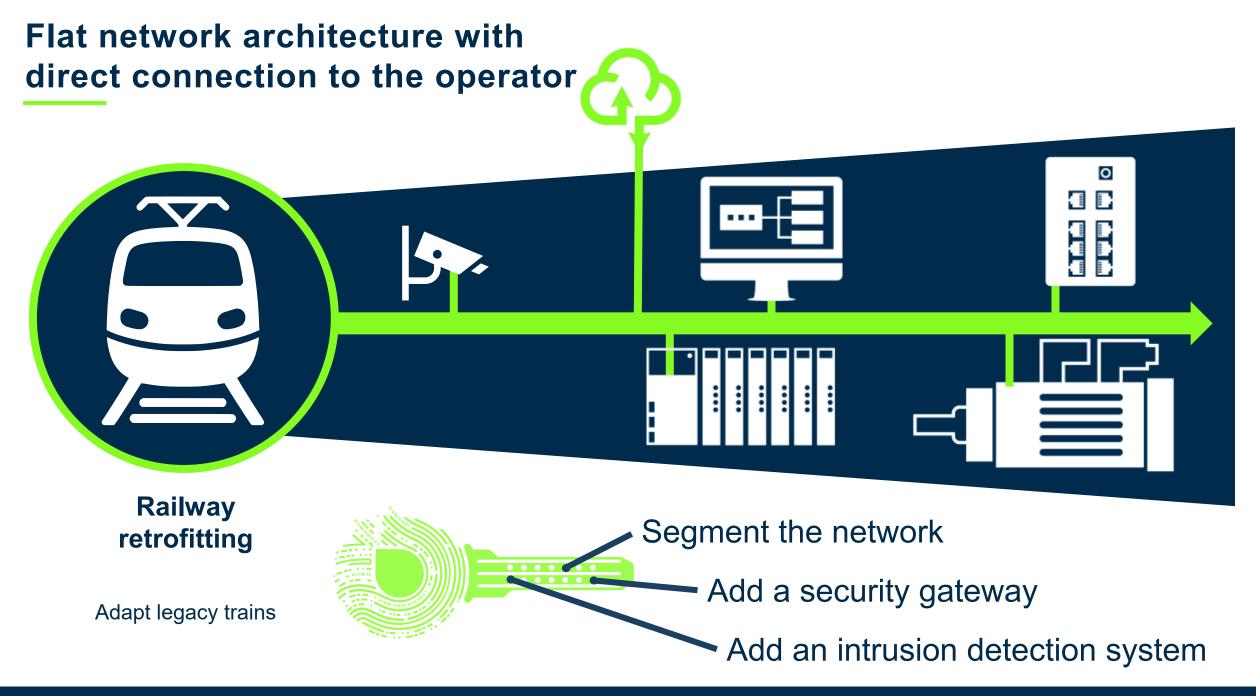


Railway retrofitting

Adapt legacy trains

» Why invest in cybersecurity for older trains?

They've been operating safely for decades!«



Measures in retrofitting projects

Technical measures **Network Segmentation Security Gateway Greatly improves security,** but must be closely coordinated

Organizational measures **Physical Access Control Intrusion Detection Systems** Less intrusive changes, but require new processes

No

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Timon Eßlinger

Codewerk GmbH Siemensallee 75 76187 Karlsruhe

timon.esslinger@codewerk.de

www.codewerk.de





