



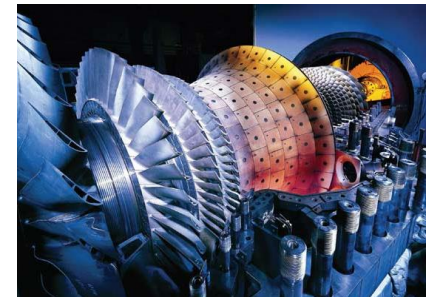
SIEMENS

CT RDA ITS

**ITS can make the difference:
Prepared for Cyber-Risks.
Prepared for New Opportunities.**

Siemens – Infrastructure provider in an increasingly digitalized and networked world

SIEMENS



As every other company, we are facing a diverse set of threat actors that target & attack our assets



A collection of logos for various threat actors, arranged in a grid. The logos include: Viceroy Tiger, Silent Chollima, Gothic Panda, Hurricane Panda, Flying Kitten, Regin, Deep Panda, Energetic Bear, Turla, Cozy Panda, and Emmissary Panda. A large red stamp with the text "UNDER ATTACK!" is overlaid on the logos.



Russian Business Network (RBN)

That means we...

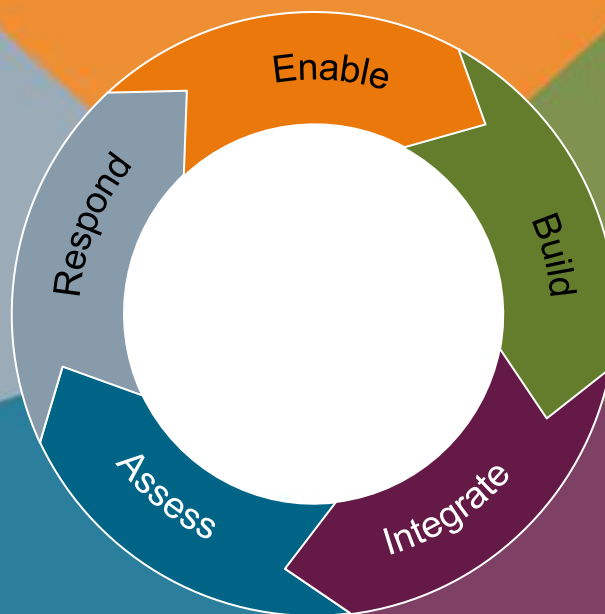
Enable an organization to adequately address security.

Operate securely, detect and handle security threats and incidents.

Design, implement and select security building blocks.

Measure and assure adequate security level.



Integrate security in solutions and services.



IT security management at Siemens encompasses 5 main levers



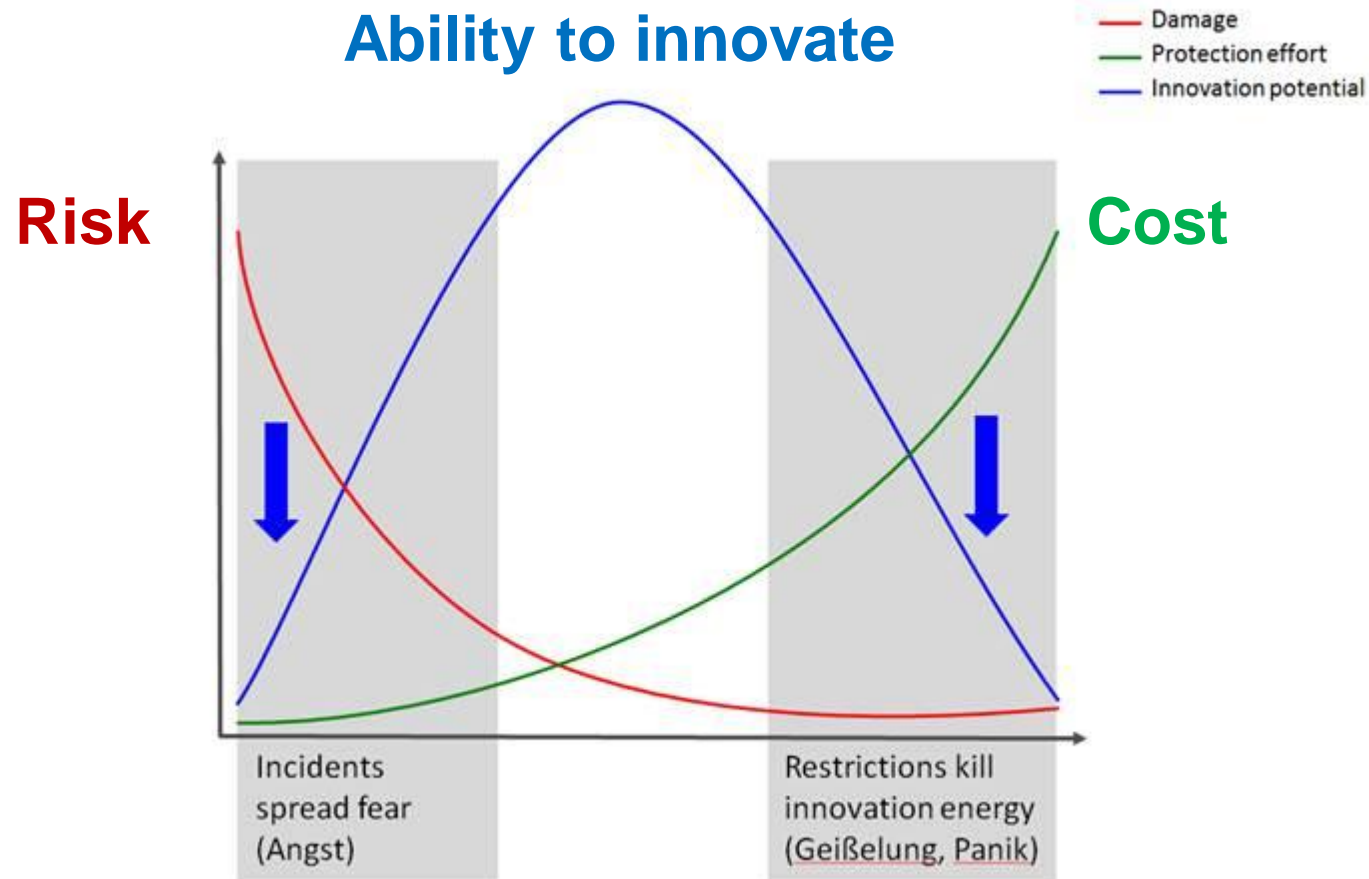
Industrial and office IT have different management & operational characteristics

	Industrial IT 	Office IT 
Component Lifetime	Up to 20 years	3-5 years
Availability requirement	Very high	Medium, delays accepted
Real time requirement	Critical	Delays accepted
Physical Security	Very much varying	High (for critical IT)
Application of patches	Slow	Regular / scheduled
Anti-virus	Uncommon / hard to deploy	Common / widely used
Security testing / audit	Occasional	Scheduled and mandated
Security Awareness	Increasing	High
Security Standards	Under development	Existing

“Office“ IT-security concepts and solutions are not directly applicable for industrial control systems (ICS)

Economic Trade-off: Relationship between risk, cost and ability to innovate

Too little and too strong security governance are hindering innovation



Thank you very much!

Dr. Rolf Reinema

Head of Technology Field IT-Security

CT RDA ITS

Otto-Hahn-Ring 6

80200 München

Phone:

+49 (89) 636-633601

Fax:

+40 (89) 636-41166

E-Mail:

rolf.reinema@siemens.com