



INFR//ABEL



Our Cyber-Security Training Program

5th ENISA-ERA Conference on Cybersecurity
in Railway - Tallinn



Jessie Paulus

Cédric Cecotti







Jessie Paulus

Cyber-Resilience Project Lead

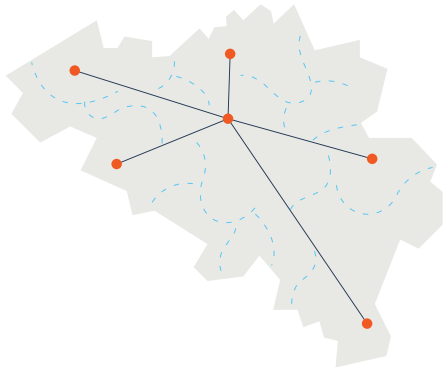


Cédric Cecotti

Chief Cyber-Resilience Architect



Our strongest firewall
isn't made of code. It's
made of 11,000
people!



3.600
km of tracks



10.000
employees



37.2 million
In 2021, we invested
€37.2 million in training



7 days
training per
employee in
2021



Who already has a
Cybersecurity
training program





1

We have only one person who worked on the project alone.

2

We have trained 7,000 people in 3 months.

3

We have reduced the opening rate of phishing emails by 40%.

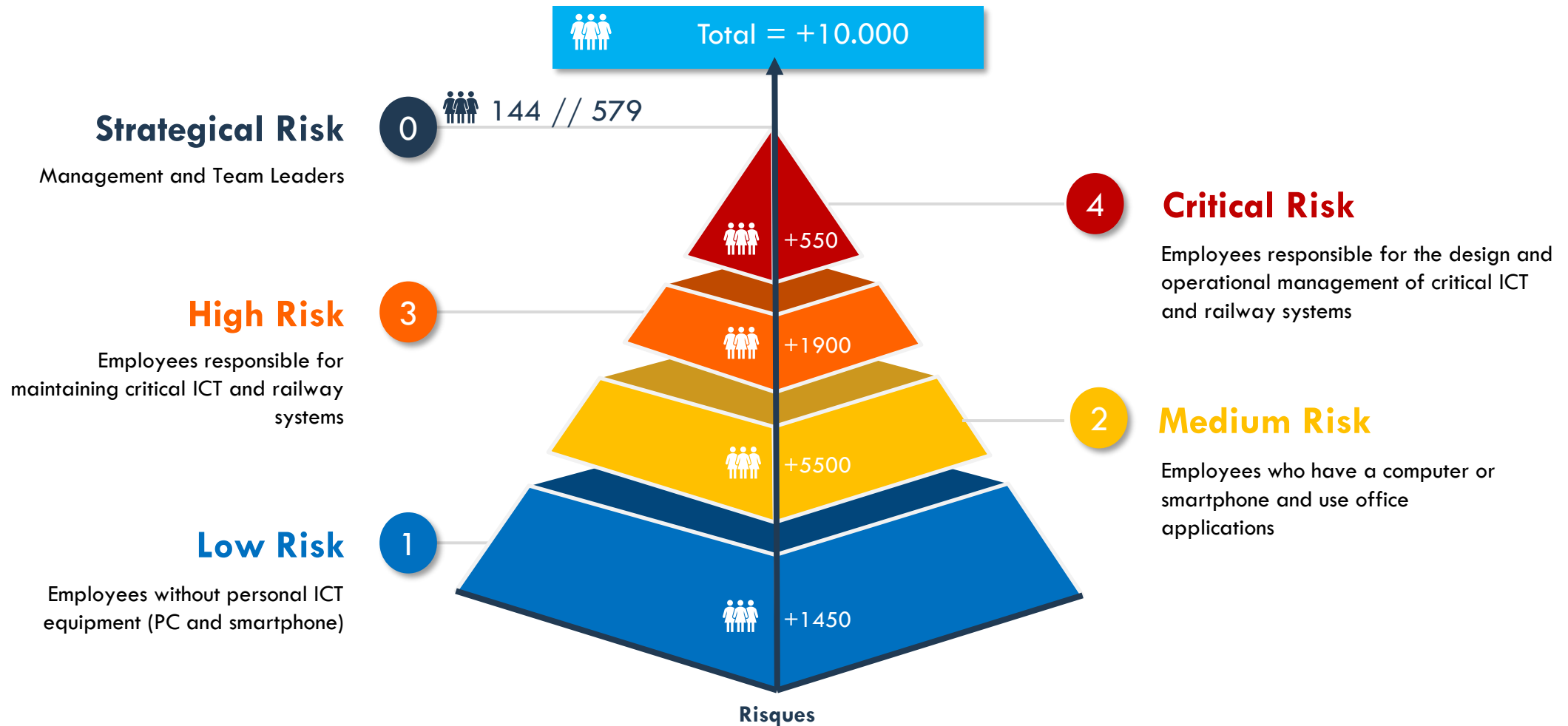




- 1 Rise Awareness
 - 2 Training based on Risk (specific needs)
 - 3 Knowledge Development
-
- 4 Make Infrabel more Cyber-Resilient



Based on the risk





Based on the risk

Cursus	Format	Content
Cybersecurity for OT Experts & Developers	2 days of training (E-Learning and Practice)	Cyber OT and development content – red vs blue team exercises
Cybersecurity for Technicians	2 hours of E-Learning	Security and management of critical infrastructure
Cybersecurity Fundamentals	1 hour of E-Learning	Asset management, hardening, physical security, etc.
Cybersecurity Essentials & Cybersecurity Essentials for Team Leaders	1 hour of E-Learning	Practical advice, phishing, passwords, Infrabel context, supplier management, etc.
Cybersecurity Notions	5-min video	Awareness and good practices



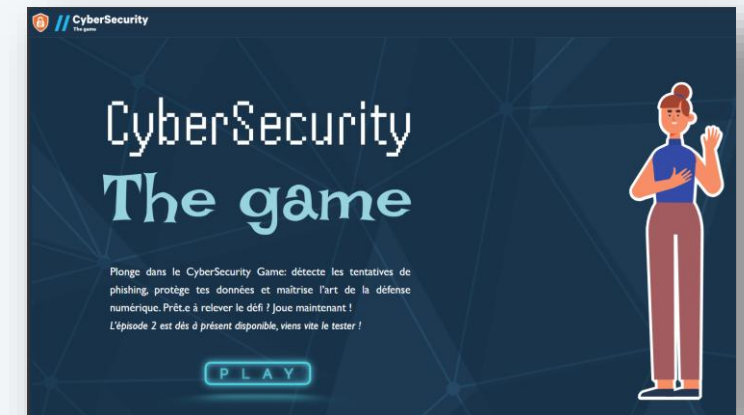
Short Videos



Exercices



Gaming





Security Champions



E-Learning + Quiz

Lutter contre les logiciels malveillants

LESSON 8 OF 11

Qu'est-ce qu'un logiciel malveillant ou malware ?

Un logiciel malveillant ou *malware* est un programme conçu pour endommager ou effectuer des actions non autorisées sur un système informatique. Déploie les lignes ci-dessous pour te familiariser avec les différents types de malware.

📘 Cliquez sur les boutons '+' afin d'en apprendre plus sur les logiciels malveillants.

Virus et vers	+
Logiciel espion	+
Rootkit	+
Ransomware	+

Collaborative Games





Our ambassadors

Monthly Meeting



Connection between departments



Upscale knowledge





- **Motivation to move forward**
- **One full-time equivalent**
- **Get help for the skills your teams lack**
- **Internalize as much as possible**



- Acceptance of Executive Committee
- Committed awareness officer
- Good communication strategy
- Diversity of learning content

- Vulgarize the Cybersecurity lexical
- Keep the content steady
- Internal support



7,000 persons took the e-learning course in 3 months



Tailored-made training based on the risk and profession



We have reduced the success rate of phishing by **40%**

Take Aways





- 1 Map profiles with risks and career paths
- 2 Convince the board to protect from within
- 3 Simplify, beautify and diverse content
- 4 Gather fast feedback from people

→ Don't hesitate to contact us for more informations



Questions?

Merci !
Thank you !
Tänan !

