

Cybersecurity: an enabler for a data driven society

A night-time photograph of a city skyline reflected in water, overlaid with a glowing blue network of nodes and connections that forms a large dome shape over the city.

Fred Streefland
CEO, Secior

secior.

'SET THE SCENE' MOVIE....



Introduction Speaker



About me (professional life)....

- Since **1992** working in the intelligence & security domain
- **Public sector** (Air Force, Military Intelligence Service, NATO HQ)
- **Private sector** (IBM, Accenture, Exact Software, LeaseWeb, Palo Alto Networks, Hikvision)
- Currently, **CEO of Secior**



About me (private life)....

- Married, 2 sons (17 & 19)
- Crazy about sports – ‘Swim dad’ (former pro-soccer player & triathlete)
- Other hobbies: cycling, spinning, fitness, travel, movies, chocolate and red wine

(p.s. the picture is 20kg ago....)

**“If it’s smart, it’s
VULNERABLE!”**

Mikko Hypponen



A DIGITALIZED & CONNECTED WORLD



DEMANDING PEOPLE



An aerial photograph of a dense railway track system. The tracks are a complex network of parallel and intersecting lines, supported by numerous vertical poles and overhead wires. In the upper right corner, a white and blue train is visible, moving along one of the tracks. The overall scene is a highly organized yet intricate infrastructure.

COMPLEX ORGANIZATIONS

‘MOVE TO THE CLOUD’



INTERNET OF THINGS



IT/OT CONVERGENCE



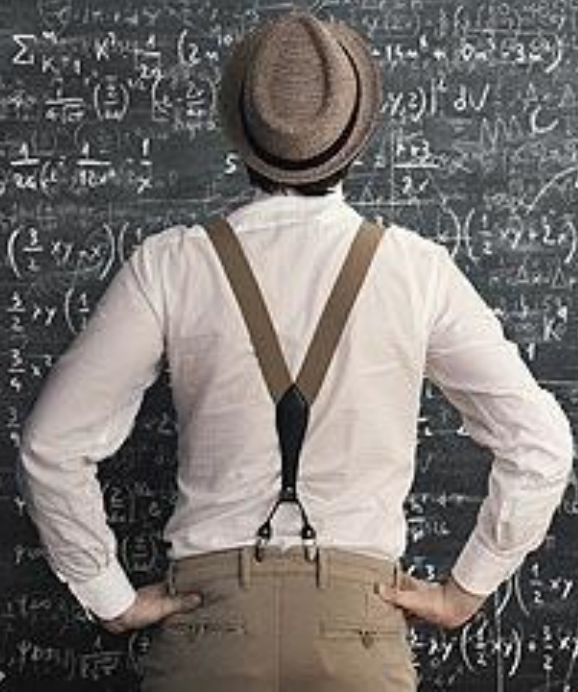
HIGHLY AUTOMATED THREAT



BUSINESS GROWTH



HOW CAN WE SOLVE THIS?



RAISE
AWARENESS

!!!





DEFINITION OF 'SMART'

SOFTWARE LINES OF CODE

An F-35 fighter jet has 25 million lines of code; a luxury car 100 million.



```
    small_block;  
else {  
for (i = 0;nblocks; i++)  
{
```

```
if (gidsetsize <=  
NGROUPS_SMALL)  
group_info->blocks[0] =  
group_info->  
    small_block;  
  
else {  
for (i = 0;nblocks; i++)  
    {  
        gid_t *b;  
  
b = (void  
*)__get_free_page  
(GFP_USER);
```



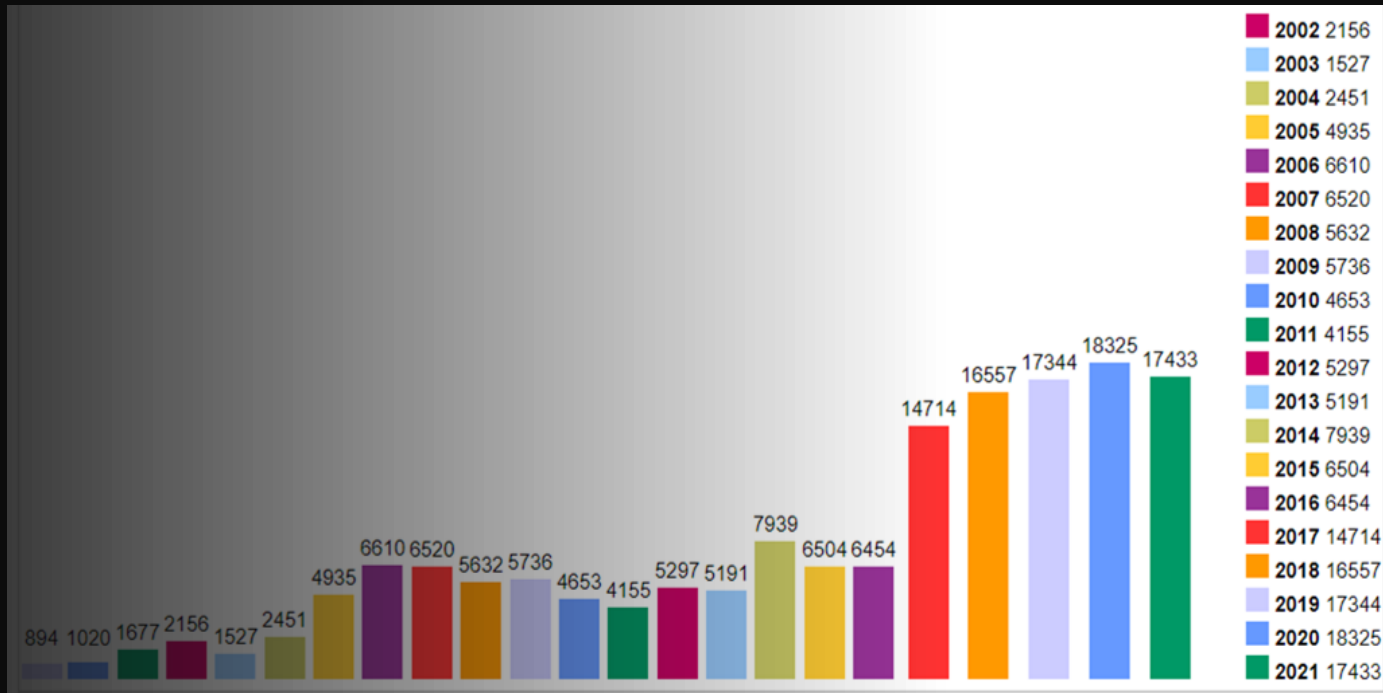
ALTRAN

SOFTWARE 'BUGS'

A red ladybug with black spots is positioned in the center of the image, resting on a dark, textured surface that resembles a printed circuit board (PCB). The background is filled with intricate patterns of silver and black lines, representing the complex wiring and components of the board. The lighting is dramatic, highlighting the glossy surface of the ladybug and the metallic sheen of the circuit traces.

The industry average is about 15 - 50 errors per 1000 lines of delivered code, while some advanced techniques can achieve rates as low as **2 defects per 1000 lines of code**

SOFTWARE VULNERABILITIES



MISSION IMPOSSIBLE?



A man in a blue suit is seen from the side, working on a laptop. A tablet is placed on the desk in front of him, displaying a digital interface with binary code. The background is a blurred image of a computer screen with a padlock icon and binary code. The text is overlaid on a dark rectangular box with a white border.

MISSION ~~IM~~POSSIBLE?

CYBERSECURITY
as a Business Enabler

FRED'S CYBERSECURITY TIPS

1.

2.

3.

4.

5.



THINK ZERO TRUST



(ADOPT 'SECURE-BY-DESIGN')

INVEST WISELY



GAIN & MAINTAIN VISIBILITY

**SBOM
&
SUPPLY CHAIN**

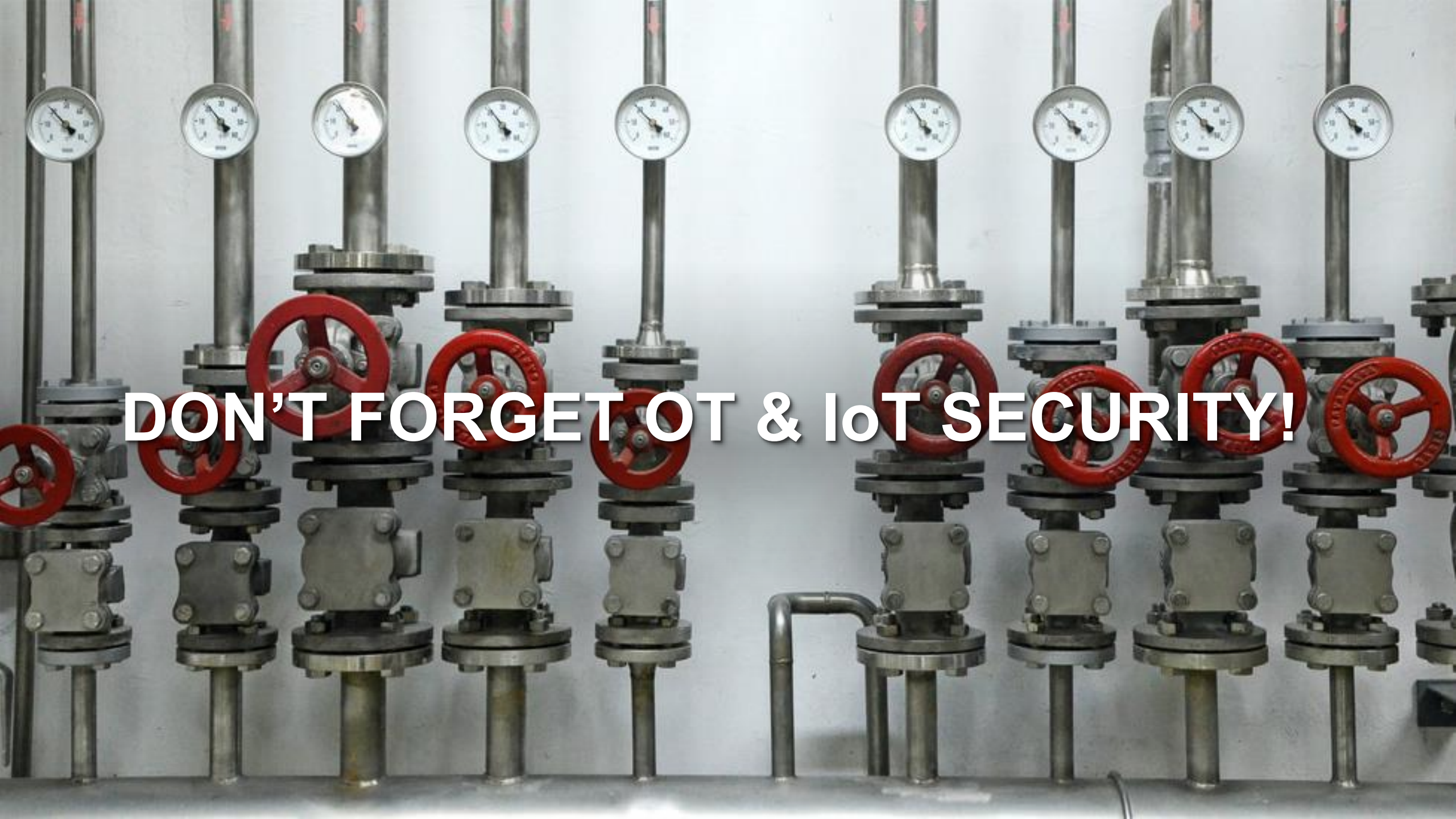


EDUCATE, EDUCATE & EDUCATE!



HACK  **SHIELD**
FUTURE CYBER HEROES





DON'T FORGET OT & IoT SECURITY!

SMART NATION CYBERSECURITY

1. ZERO TRUST
2. WISE INVESTMENTS
3. VISIBILITY
4. EDUCATION
5. OT & IoT SECURITY





Thank you for the Attention!

Are there any Questions?