## INTRODUCTION FOR A MORE SECURE SOCIETY



## Assume breach and prepare

Ad Bresser

September 8, 2021

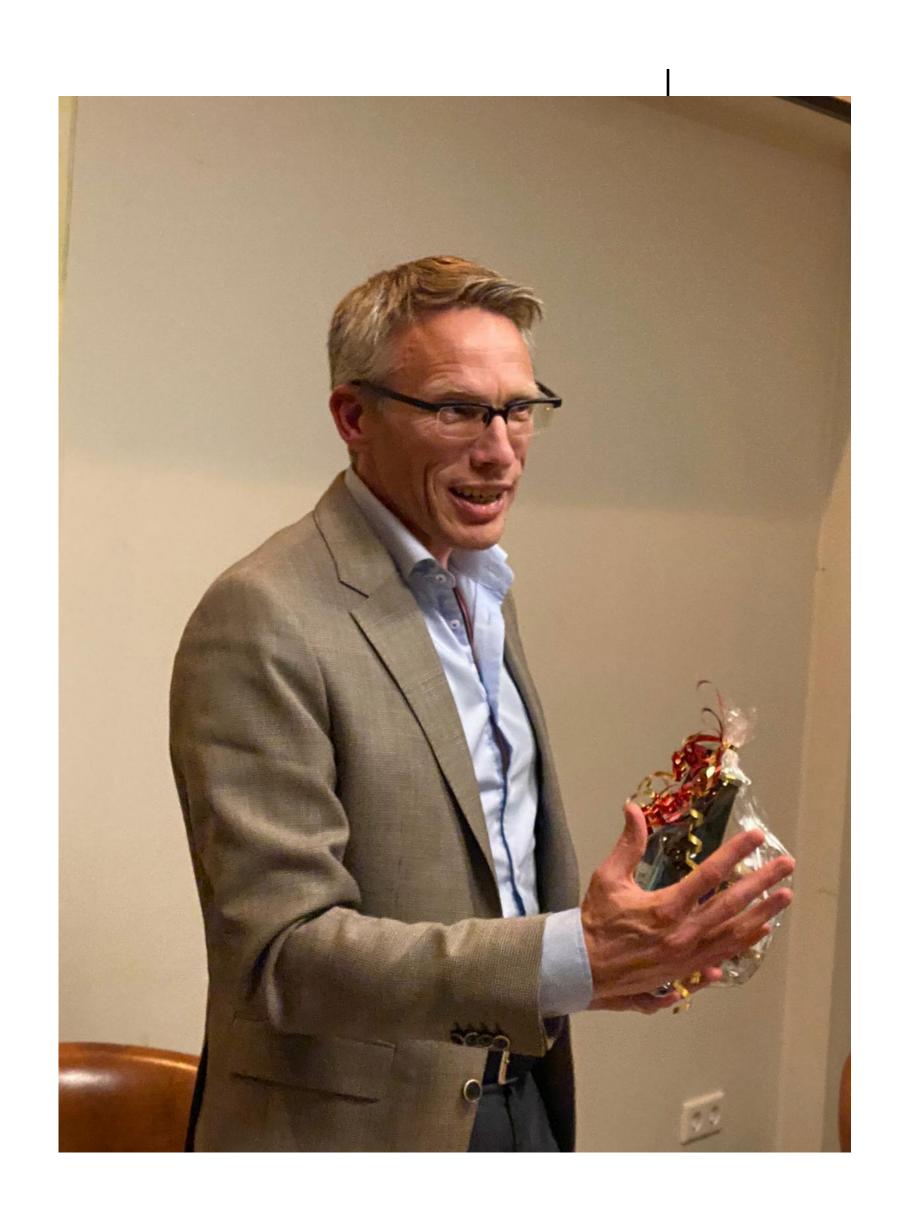
### Agenda

1. Some introductions

2. Assume breach and prepare

3. What makes us different

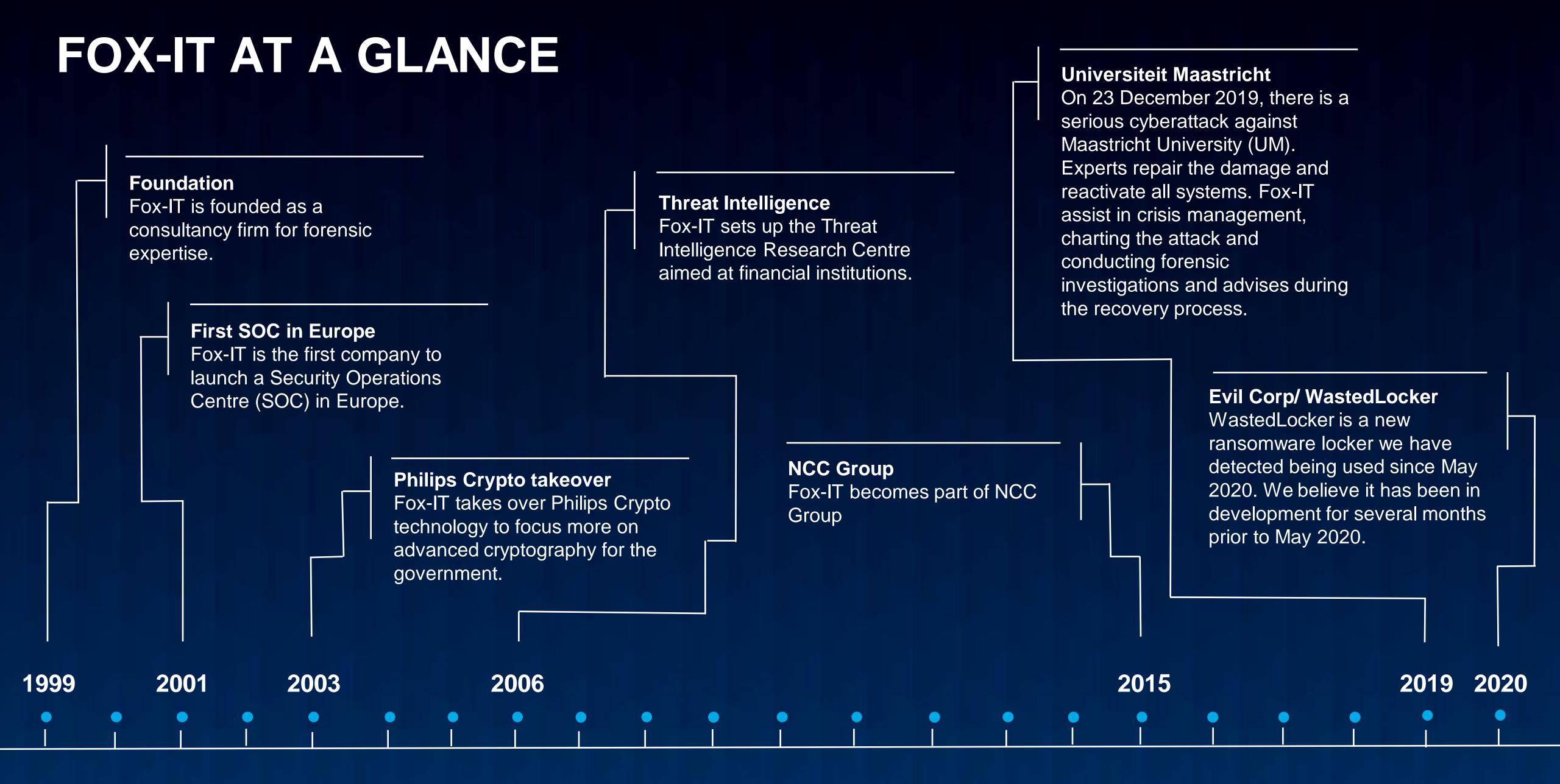




#### AD BRESSER

Business Security consultant

- Since march 1, 2020 at Fox-IT
- Previously: Volmac / Cap Gemini, Planet Internet, KPN, independent, SIDN.
- Favorite podcasts: Security Now & Darknet Diaries



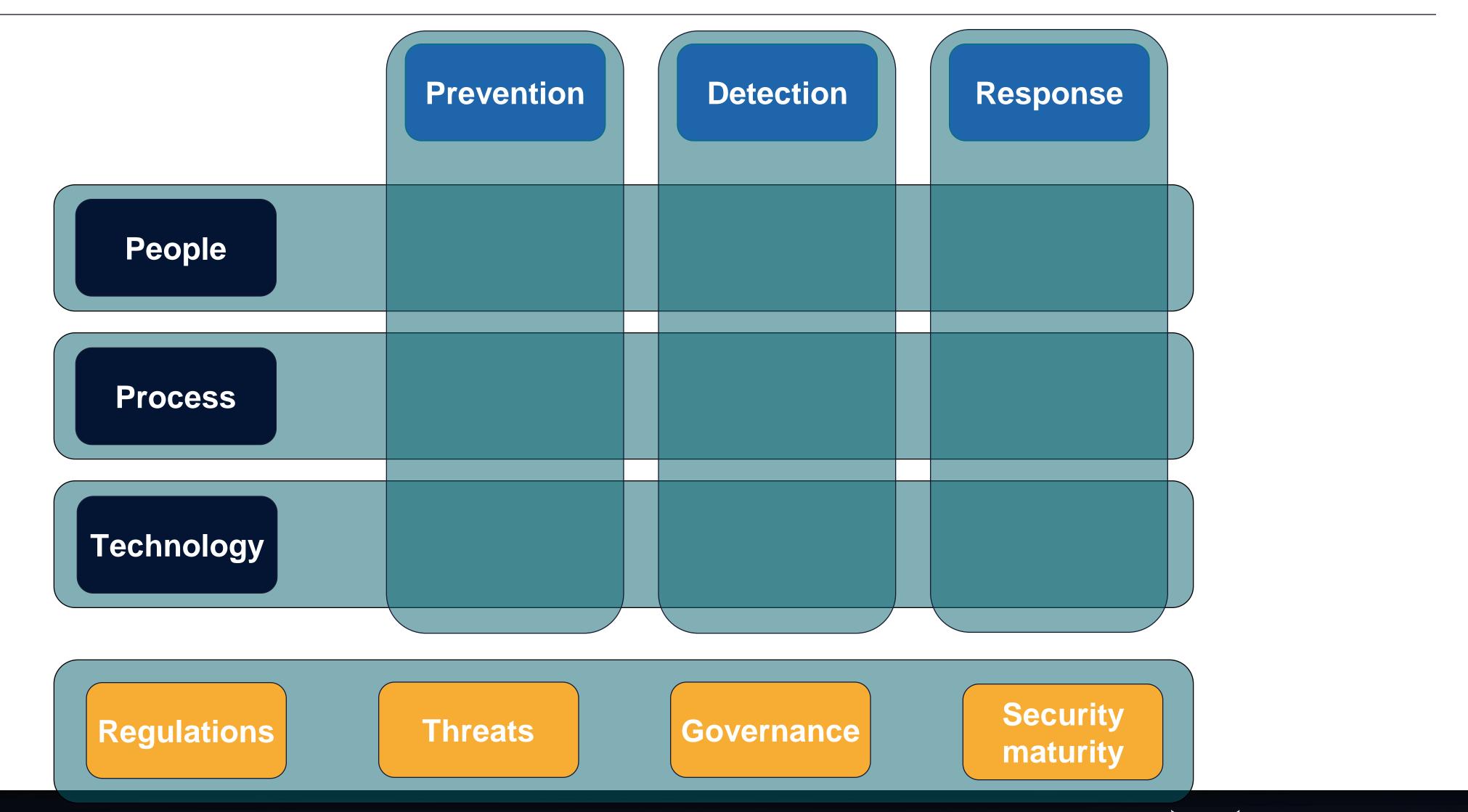
#### Major trend: targeted ransomware

#### From our latest quarterly Threat Report Update:

- Threefold increase in targeted ransomware attacks in 2021
- Continuing waves of digital extortion in the form of targeted ransomware
- Between April and June
  - 22% of ransomware data leaks attributed to Conti ransomware (now inactive)
  - Avaddon ransomware linked to 17% of ransomware data leaks
- Significant trend: double extortion threatening to leak the stolen sensitive data of nonpaying victims to damage organizational reputation
- One notable example is the Colonial Pipeline ransomware attack in June, carried out by affiliates of the DarkSide ransomware.

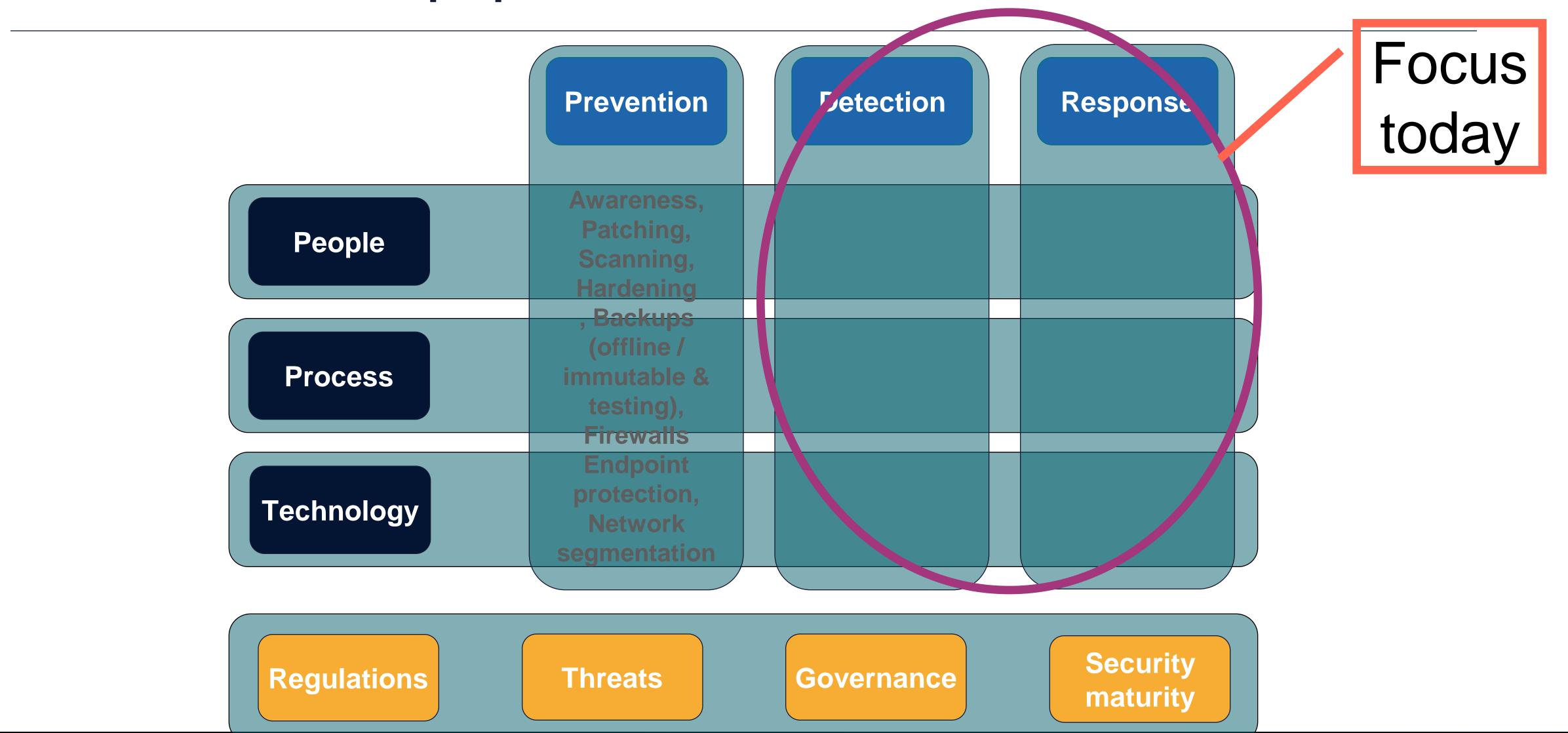


### Take a broad security view





### Assume breach and prepare





## Security incident detection by Employees

- People
  - Attentive employees are crucial; work on awareness
  - Test with Phishing campains
- Process
  - Easy reporting, swift follow-up
- Technology
  - Email box



## Security incident detection by technology

#### Technology

IDS / Sensor, EDR (Endpoint detection and response),
Logforwarding (e.g. firewall, proxy), SIEM (Security information and event management), Honeypots, Leaked information monitoring

#### Process

- AI, ML, Usecases
- Classification, SOC

#### People

Security analysts



## Security incident response

#### People

- Forensic experts
- Crisis organization

#### Process

- Forensic readiness: log-file retention, access / cooperation at suppliers
- Retainer (secure capacity)
- Playbooks
- Restore backups (off-line / immutable)
- PRACTICE!

#### Technology

Log-file analytics tooling



# WHAT MAKES US DIFFERENT?

## Operation Wocao: Shining a light on one of China's hidden hacking groups

December 19, 2019

#### deVolkskrant

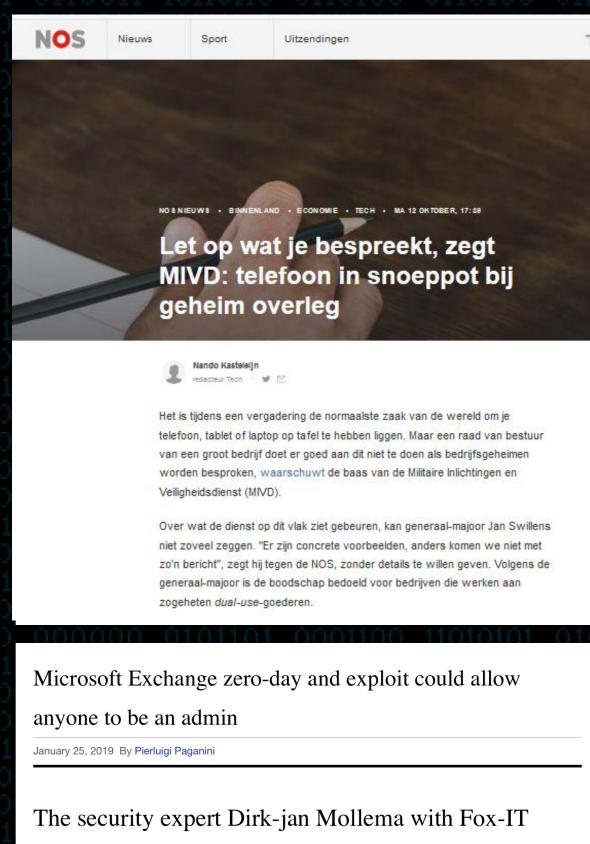
NIFUWS LEK IN CITRIX

#### Half jaar na Citrix-crisis zijn 25 Nederlandse organisaties gehackt. En ze weten zelf van niets

Het lek in Citrix, dat een half jaar geleden tot een crisis leidde bij de Rijksoverheid, wordt actief misbruikt. Terwijl de aandacht voor de kwetsbaarheid is weggeëbd, blijken criminele hackers en spionagegroepen bij zeker 25 Nederlandse organisaties toegang te hebben tot het interne netwerk.

Huib Modderkolk 1 juli 2020, 5:00





The security expert Dirk-jan Mollema with Fox-IT discovered a privilege escalation vulnerability in Microsoft Exchange that could be exploited by a user with a mailbox to become a Domain Admin.

Sep 26, 2018, 11:47am EDT

#### How The Dridex Gang Makes Millions From Bespoke Ransomware



**Geoff White** Contributor ①

My focus is on tech security, online crime, personal data and privacy.

One of the world's most infamous cyber crime gangs has created custom-made ransomware for victims, blackmailing them for millions of pounds.



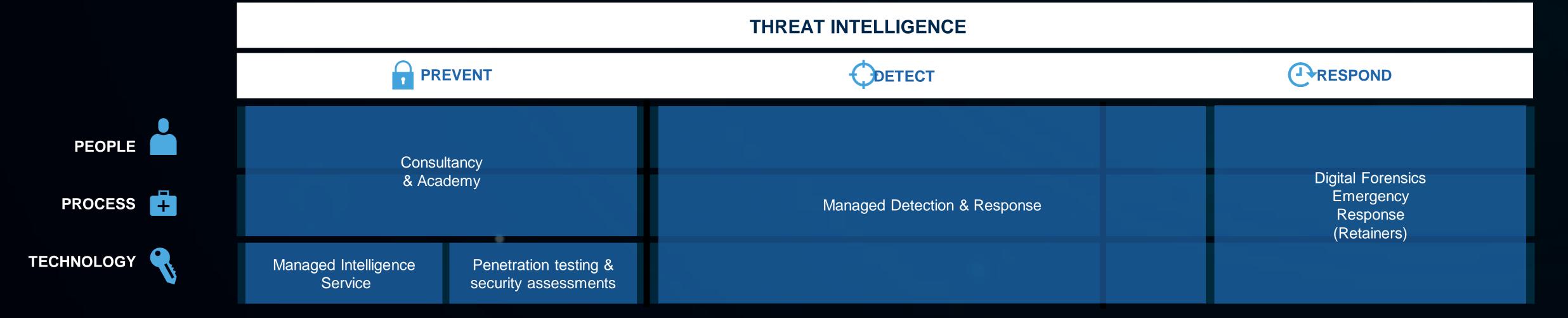
Subtle anomalies like these should not be underestimated by blue teams when it comes to combating malicious activity.



## OUR SOLUTIONS

As a full service security company we can help in all stages of cyber risks.







## GLOBAL FUSION CENTER & RIFT SIMPLIFIED

