



Orange
Cyberdefense

Ahead of the storm: Cyberwarfare

Antwerp, 26 October 2022

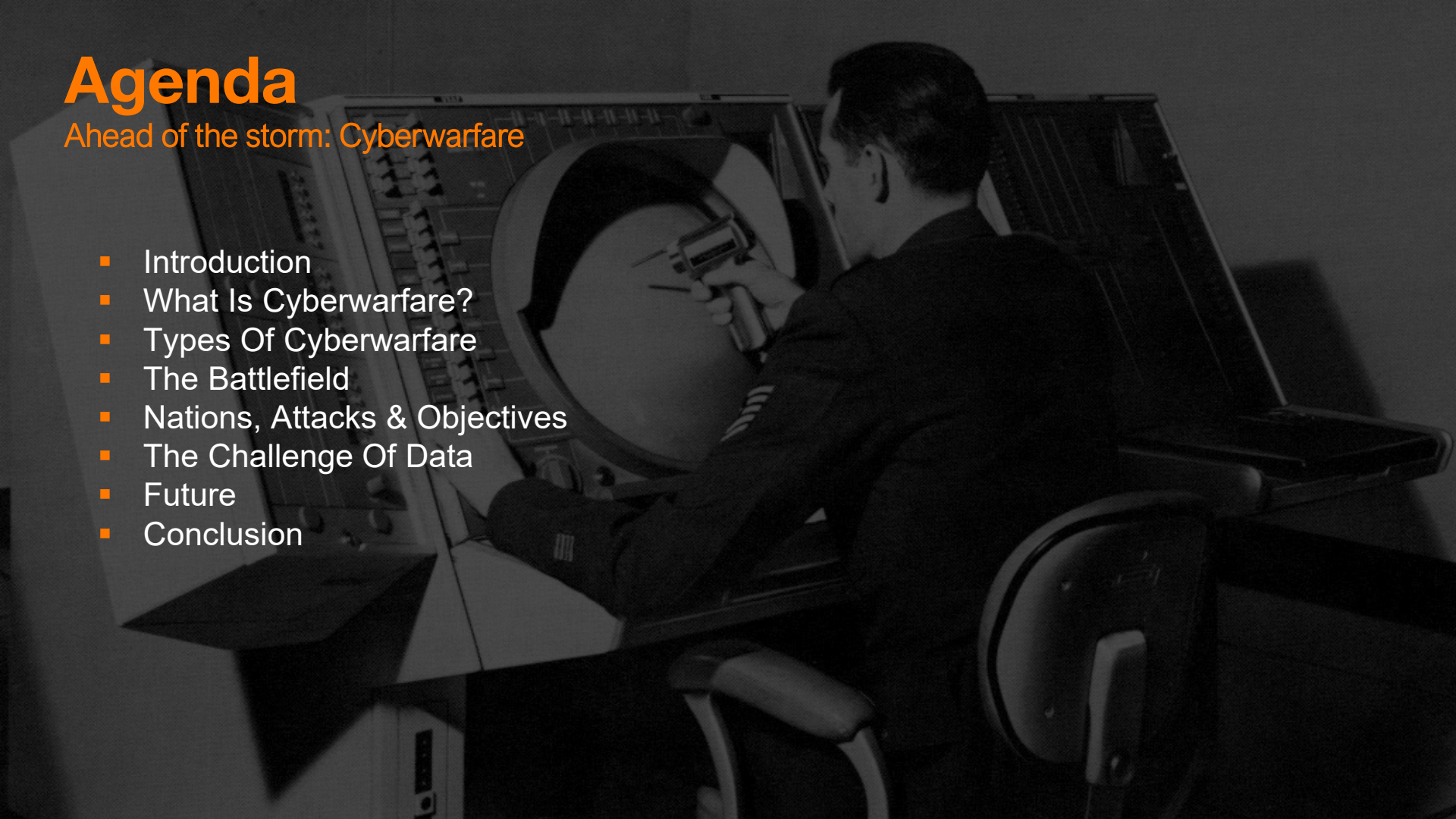
Jort Kollerie
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Agenda

Ahead of the storm: Cyberwarfare

- Introduction
- What Is Cyberwarfare?
- Types Of Cyberwarfare
- The Battlefield
- Nations, Attacks & Objectives
- The Challenge Of Data
- Future
- Conclusion



Introduction

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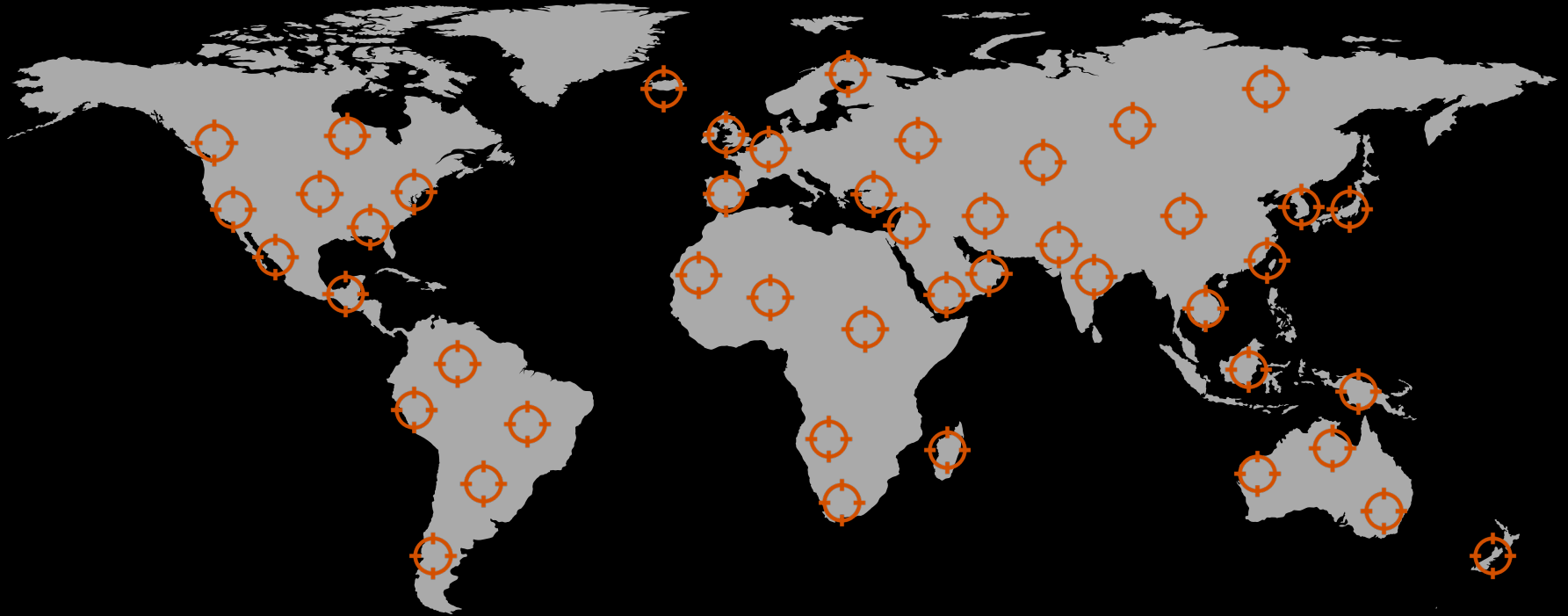
Tamara Hendriksen
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Attacks Are Boundless

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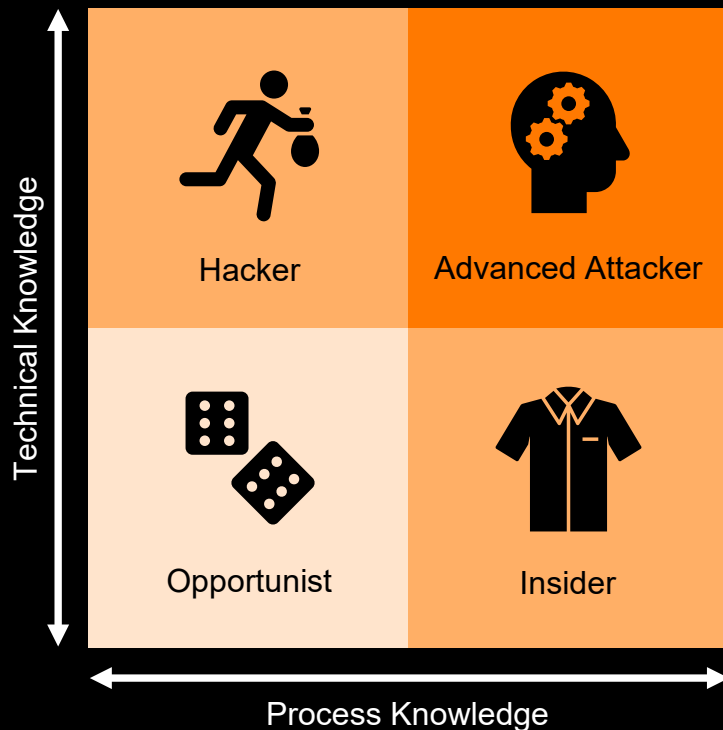




“You can’t **defend your business** if you don’t know what **threats** are coming your way...”

Who To Be Afraid Of?

Ahead of the storm: Cyberwarfare



What Is Cyberwarfare?

Ahead of the storm: Cyberwarfare

cyberwarfare

/ˌsaɪ.bəˈwɔːr.fer/

the use of cyber attacks against a nation state, causing comparable harm to actual warfare and/or disrupting vital computer systems.

Types Of Cyberwarfare

Cyberwarfare



Disruption



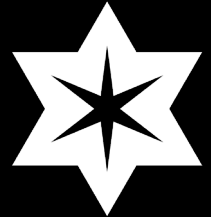
Espionage



Propaganda



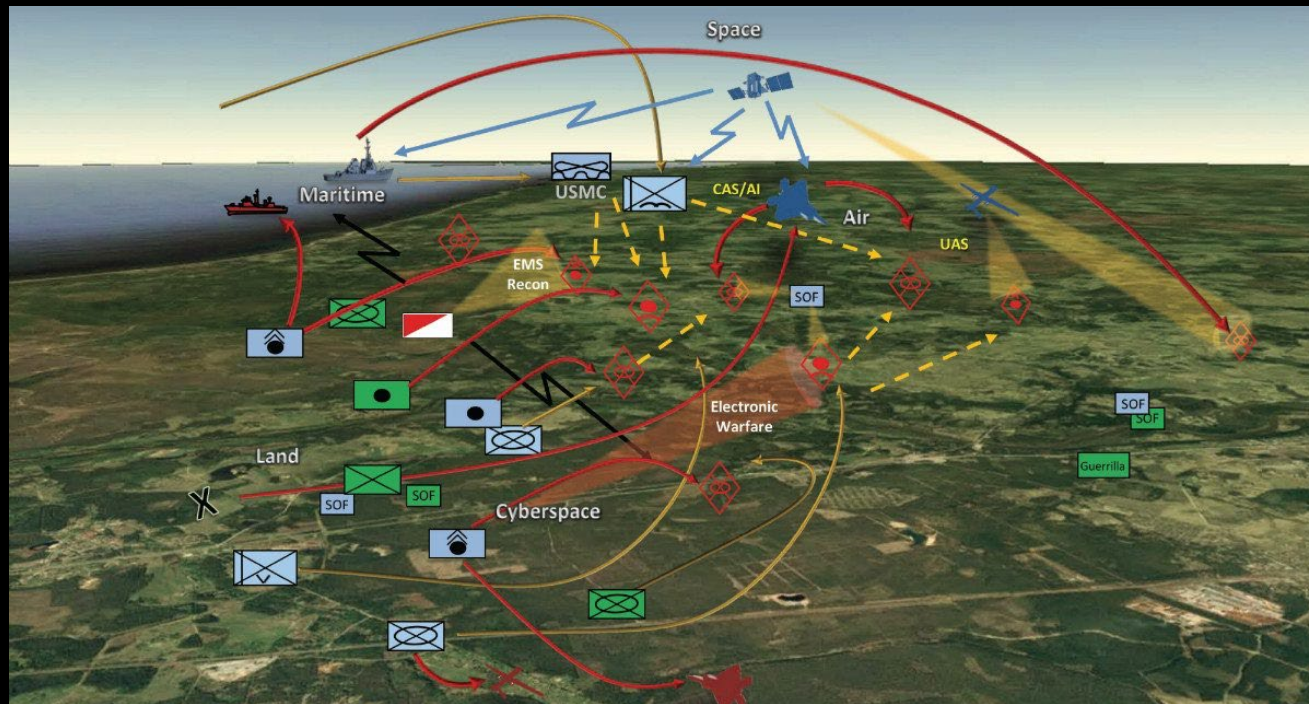
Sabotage



**Surprise
Attack**

The Multi-Domain Battlefield

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Land War

Sea War

Air War

Spacewarfare

Cyberwarfare

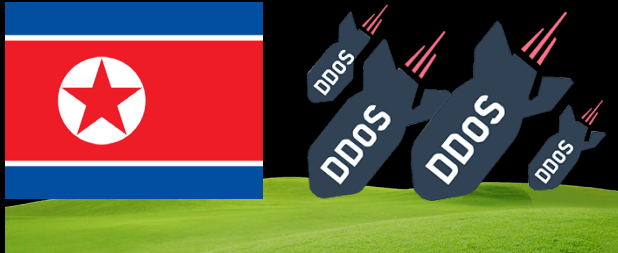
Nations, Attacks & Objectives

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North-Korea: Attacks & Objectives

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HACKED:
THE BANGLADESH
BANK HEIST



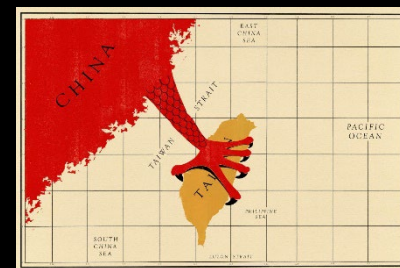
Iran: Attacks & Objectives

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China: Attacks & Objectives

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Russia: Attacks & Objectives

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Nations, Attacks & Objectives

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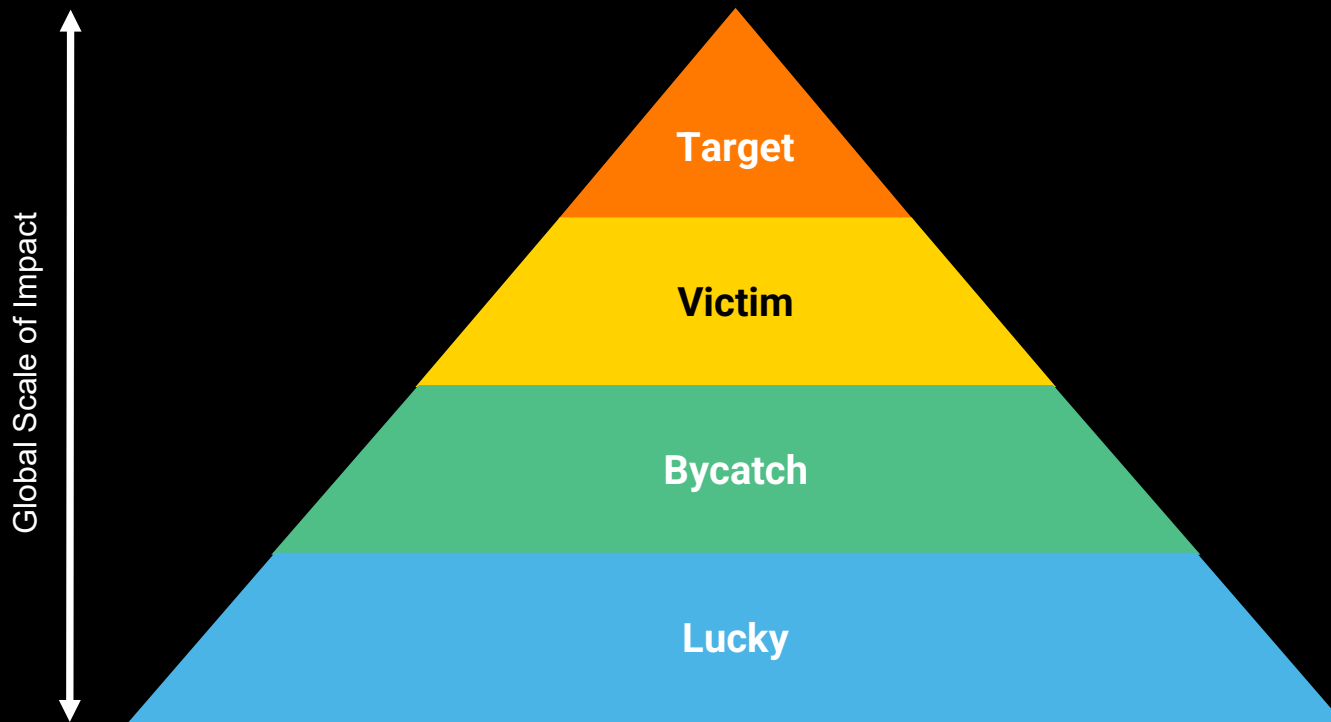
USA: Attacks & Objectives

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The Pyramid of Collateral Damage

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Confidential

The Challenge Of Data

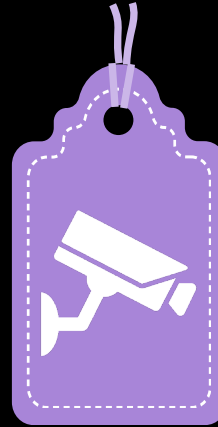
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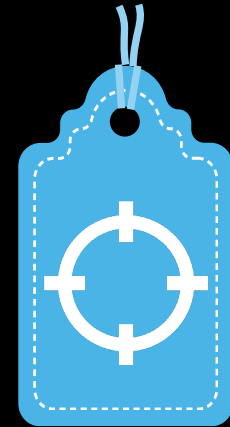
Datamining



Arms Race



Spy Tech




Weapon

Future

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Computers are scaling,
they get faster and faster
and will permeate all
aspects of our lives.



New techniques will
dramatically increase the
impact of cyberwarfare on
a global scale since there
are no obstacles in
adopting it...

The **evolution** of technology will be followed by **cyberwarfare**...

Conclusion

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- **Attacks are boundless** since IT is distributed globally and we live in a connected world
- **IT/OT convergence** will even increase attacks in the coming years and will affect any organization in any business or segment in any country in the world
- **Geopolitics** will push and divide countries towards an even more urgent digital resilience phase
- **Cyberwarfare has no limits**, and the global origin of cyber-attacks requires international awareness and knowledge gathering of emerging threats from across the world
- **Simply said**, you can't defend your business if you don't know what threats are coming your way

Conclusion

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Bytes not bullets...

Build a **safer digital** society...

Tamara Hendriksen

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