#### Orange Cyberdefense

# Ahead of the storm: Cyberwarfare

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- What Is Cyberwarfare?
- Types Of Cyberwarfare
- The Battlefield
- Nations, Attacks & Objectives
- The Challenge Of Data
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#### **Introduction** Ahead of the storm: Cyberwarfare





Tamara Hendriksen Information Security Officer

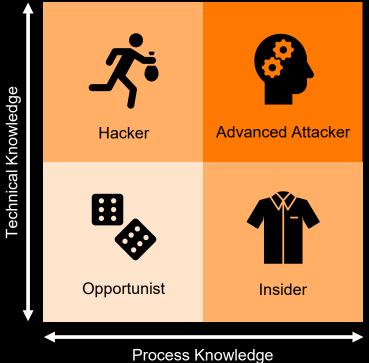
Jort Kollerie Manager Security Architecture

#### **Attacks Are Boundless**



"You can't celend your business if you don't know what threats are coming your way..."

# Who To Be Afraid Of?



#### What Is Cyberwarfare?

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#### cyberwarfare

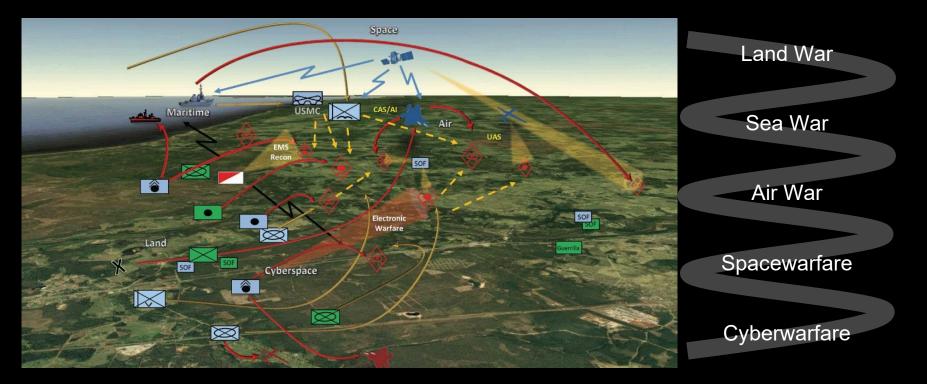
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the use of cyber attacks against a nation state, causing comparable harm to actual warfare and/or disrupting vital computer systems.

# Types Of Cyberwarfare



### **The Multi-Domain Battlefield**



# Nations, Attacks & Objectives



#### **North-Korea: Attacks & Objectives**





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| ayment will be raised on  | Can I Recover My Files?  |   |
| 5/15/2017 16:32:52        | Sure. We guarantee that you can recover all yo<br>not so enough time.  | ur files safely and easily. But you have                                      |
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#### Iran: Attacks & Objectives



### **China: Attacks & Objectives**



### **Russia: Attacks & Objectives**

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**CYBER SPYING IN 2016 RACE** 

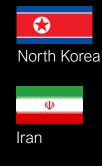
OBAMA BLAMES PUTIN FOR ELECTION HACK Scott Shane National Security Reporter, New York Times

# **Nations, Attacks & Objectives**

RD









China



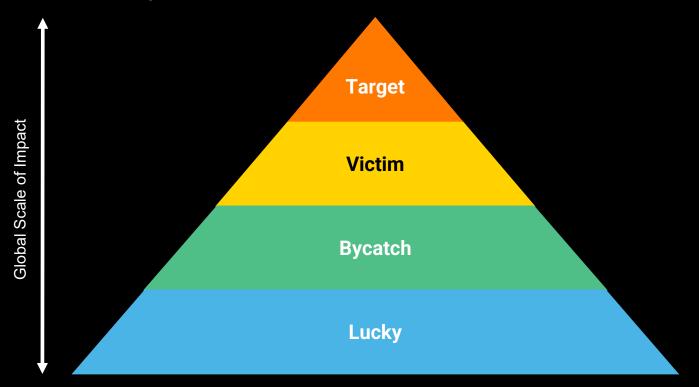
Russia

# **USA: Attacks & Objectives**



### **The Pyramid of Collateral Damage**

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Confidential

# The Challenge Of Data



#### **Future** Ahead of the storm: Cyberwarfare

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...

Confidential

### Conclusion

- 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** Ahead of the storm: Cyberwarfare

Bytes not bullets...

#### Orange Cyberdefense

#### Build a safer digital society...

#### Tamara Hendriksen

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