

Cybersecurity: A major challenge

Critical Infrastructure Protection
Cyber/Physical Security

March 10th, 2021



Global Trends are driving our challenge

changes



hacking

Adapted from source: Charter of Trust presentation, March 2021

widening



regulation

businesses

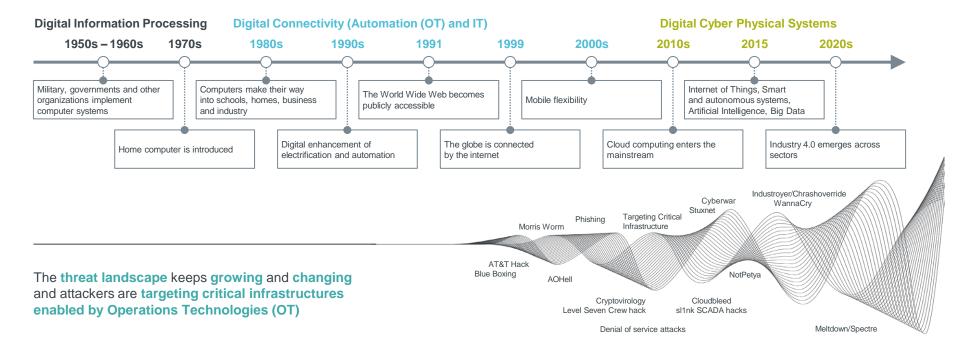
Top 10 Challenges...

costs are expected to grow by 15 percent per year over the next five years, reaching \$10.5 trillion USD annually by 2025, up from \$3 trillion USD in 2015.

2019	2020	2021
1. Data Breaches	1. Cloud Based Threats	1. Attacks on remote infrastructure
2. Skills Gap	2. Insider Threats	2. Autonomous Smart Devices
3. Cloud Security	3. Remote Worker Endpoint Security	3. Internet as one large service factory
4. Automation & Integration	4. Phishing attacks	4. Centralized outage faults
5. Awareness	5. Deepfakes	5. Advanced non-nation state attacks
6. Mobile Devices	6. IoT Attacks	6. More bandwidth to secure
7. State Sponsored attacks	7. Malvertising	7. Bot Mitigation from Social
8. IoT Devices	8. Fileless Attacks	8. Ransomware
9. Al everywhere	9. Ransomware Attacks	9. Fake News
10. Phishing	10. Social Media Based Attacks	10. Covid Propaganda



In a nutshell: As Energy and Industry digitalize... our cyber threats grow and evolve





Our Value Proposition

We offer a comprehensive approach to secure heterogenous Operations Technology (OT) improving resiliency of Critical Infrastructure.

Energy assets need to be considered as a system from central operations to grid edge.

Key considerations are as follows:

- Security Management,
- Security Engineering,
- Security Operations,
- Security Testing and if required
- Security product/solution development



Our contribution:

A Cyber Defense Centre in Fredericton, NB a part of Canada's security fabric





Atos

cisco

DAIMLER

D¢LLTechnologies

SGS

T...

TOTAL





SIEMENS



AIRBUS











Our Commitment

A joint initiative for a secure digital world

Protect the data of individuals and companies, ...

... prevent damage to people, companies and infrastructures and ...

3 ... establish a reliable foundation on which confidence in a networked, digital world can take root and grow.

Within the framework of the Charter of Trust, the company has opened a Global Center of Competence for Cybersecurity in Fredericton, New Brunswick. This center is operational as of Fall 2018.



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