& Coronavirus Crisis Lesson Learned

Where Courage Meets Technology

Cyber Security Strategy in the Covid-19 era

IAI
Creating a Difference
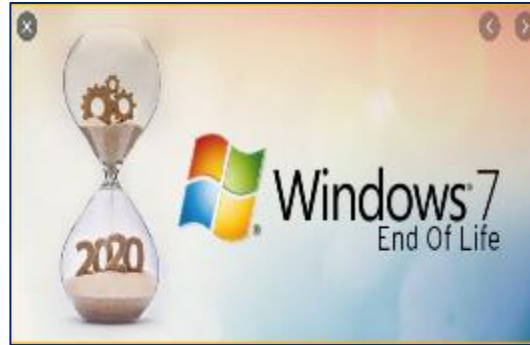
2015-2020: Main Cyber Events

Cyber - A Strategic Threat

Strategic Trends

State & Super Power Level Threat	Cyber crime	Cyber Attacks On Critical Infrastructure	Large Scale Industrial Espionage	CNI (Influence & Disinformation Campaigns)	Use of publicly available malware by threat actors

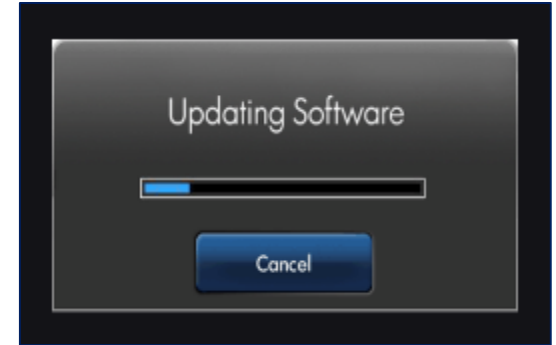| Weaponization of the cyber domain	Lack of attribution and accountability	The widening skills gap, and less trained experts to fill security roles	Attackers eyeing "New Technologies" - the cloud, IoT,..

Critical Infrastructure – Main Threats

IT/OT connection

"End of life" – systems

Software updates

Supply Chain

Physical threats

Remote access

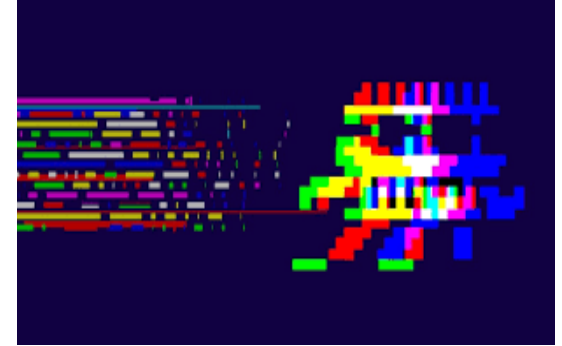# 5G Benefits (with regard to 4G)

Faster

Higher Bandwidth

Lower Latency

Lower Energy

Higher Reliability

More Devices

Major Threats in 5G Network

MECHANICAL & MOTION SYSTEMS

Autonomous Cars: Safety Opportunity or Cybersecurity Threat?

Self-driving cars could prevent deaths and increase lower-

A revolution at the gate

SITA

Back to Beacons show the way

Bandwidth growth, big data and business intelligence feature large among the many technology trends creating a critical mass that spells a new connected future for aircraft.

Already we're a seeing a revolution onboard the aircraft, as airlines roll out applications and digital systems like Electronic Flight Bags (EFBs), cabin crew tablets, Flight Operations Quality Assurance (FOQA) and more in-flight entertainment (IFE) options for the connected traveler.

But now, the strong demand for bandwidth to and from the plane – and it's bandwidth that underpins all of these systems – is set to increase dramatically. That means new levels of aircraft connectivity on the ground like we've not seen before.

| Decentralized Security | Bandwidth to overload current security tools | IoT devices so not have built in security | Lack of encryption | Massive BotNet Attacks |

The Corona Virus is Changing the Way We do Business

Large-Scale Adoption of Work-From-Home (WFH) Technologies

Heightened Activity on Customer-Facing Networks

Greater Use of Online Services

Use of Personal Devices and Email

The Corona Virus is Changing the Way We do Business

Adversaries are aware of these opportunities for abusing this situation to their advantage

Large-Scale Adoption of Work-From-Home (WFH) Technologies

Heightened Activity on Customer-Facing Networks

Greater Use of Online Services

Use of Personal Devices and Email

- Technology

- Methodology

- Constant Innovation

- Cooperation (national and international)

- Capacity Build-up and Maintenance

Cyber Security   Business Continuity

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IAI - a Gate to Israel's Cyber Eco-System and Innovation

- IAI leads the best and finest of Israel's cyber eco-system & Innovation

- Reducing the risk of choosing novel technology and dealing with start-ups

- IC3 - Israeli Cyber Companies Consortium – National Cyber Solutions

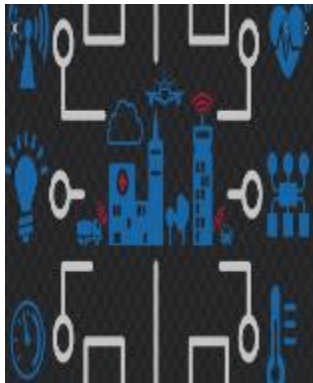- IAC3 – Israeli Aviation Cyber Companies Consortium
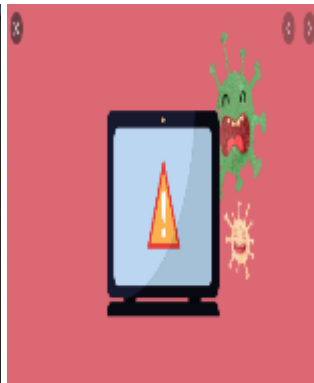
Cybersecurity at the National Level

| Awareness | Base-Line Security | Solutions for Remote work & services | Predictive Analytics | Protecting Critical Infrastructures | Procedures and Playbooks |

Situational Awareness **Advanced IR Capabilities** **Information Sharing**

A Balance Between Cybersecurity and Business Continuity

Take-Aways

An Eco-system solution

- Advanced Cyber threats

- Built-in vulnerabilities

- Need in collaborative approach & advanced capabilities

A Balance Between Cybersecurity & Business Continuity

THANK YOU

STAY SAFE & HEALTHY