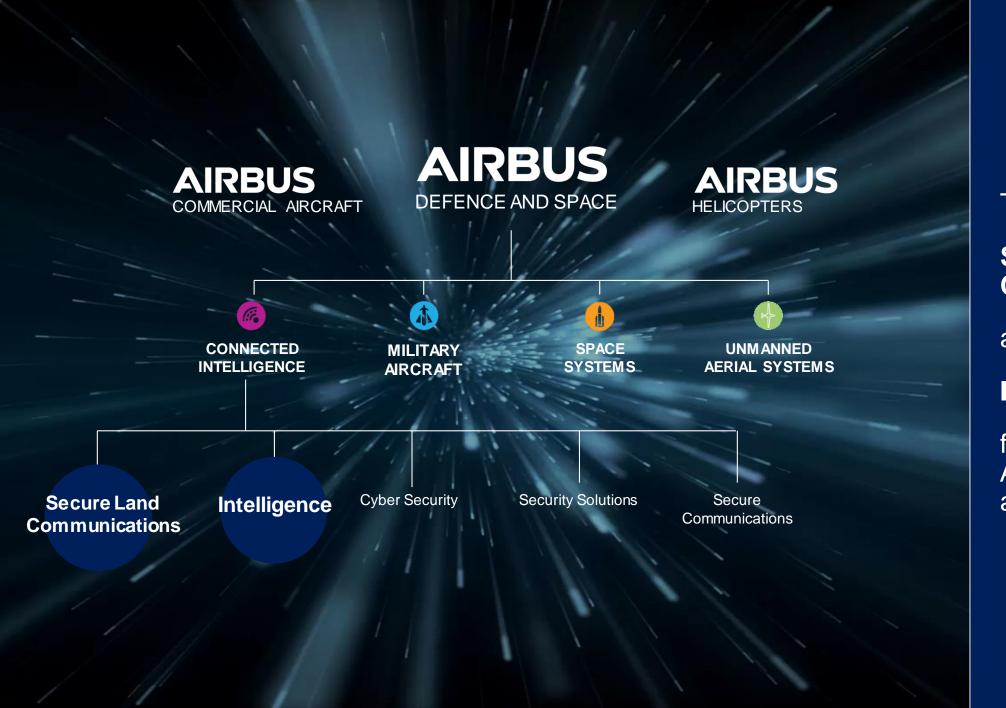


DEFENCE AND SPACE

Tapio Savunen
Director, Strategic Marketing





Two business units,

Secure Land Communications

and

Intelligence,

form the core of Airbus' local activities in Finland.

Airbus is not just a European but also a Finnish technology provider for defence, security and space

2002 2012 2015 Virve - nationwide Satellite **Multi-Sensor** Communications Tracking system critical for real-time air communications services situation picture **Network** 2007 C295 tactical transport aircraft

350 employees based on two locations, Helsinki and Jyväskylä

The company is one of the 30 largest R&D investors in Finland with annual investments of ca. €30 M.

Airbus receives annually ca. €80 M worth of goods and services from Finnish companies.

When the Seconds Counts, the most Reliability is Must







What to consider when planning to use AI in Public Safety?

Ethics and people

Machine Learning can only be used in a controlled way in Public Safety

Legitimacy and Trust

- Transparency Artificial Neural Networks are "black boxes"
- Why a particular decision was made?

Data Protection Regulation



Al Example #1 – Virtual Assistant for field operations

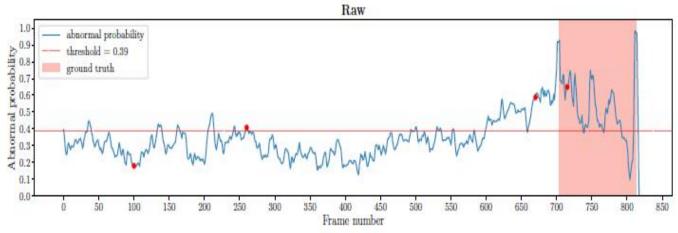
Enables hands-free operations

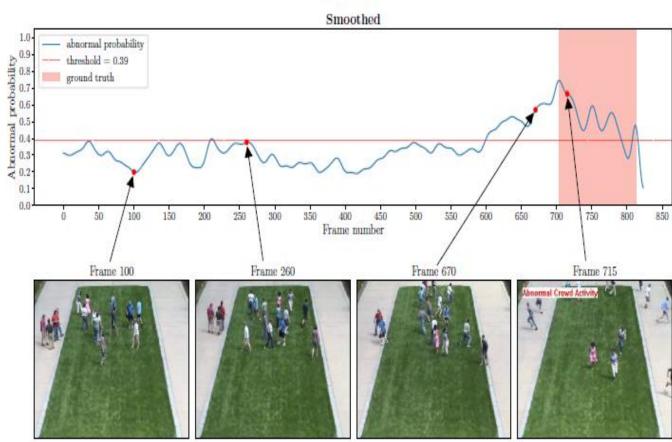
Integrated into radio communications

Voice commands and voice response

Database queries – license plates, hazardous materials, vehicle rescue sheet data, ...

Speech recognition in a noisy environment





Al Example #2 – Abnormal crowd event detection in videos

Research on the use of AI to detect abnormal behavior in crowds

Could help with laborious urban video surveillance

Ege Can, Özer, 2020; "Two-stage sparse representation based abnormal crowd event detection in videos"

http://urn.fi/URN:NBN:fi:hulib-202005202217

Thank you

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