DIGITALISATION – A KEY ENABLER

WAYS OF WORKING

PRODUCTS AND SERVICES
THREE YEARS FROM CLEAN SHEET TO 1\textsuperscript{ST} FLIGHT

Boeing and Saab complete first T-X flight

Boeing and Saab’s bid for the US Air Force trainer competition took flight from St. Louis, Missouri, on 20 December, demonstrating the clean-sheet design’s performance for the first time.
MODERN SENSOR TECHNOLOGY

Active Electronically Scanned Array Antenna

- Propagation
- Antenna
- Microwave
- Digitalization
- Software defined
- Cognitive Systems

1 antenna
~20 antenna modules
~200 antenna modules
~2000 /~4000 antenna modules

1 antenna
~20 antenna modules
~200 antenna modules
~2000 /~4000 antenna modules

WW2
1990's
NOW
EXAMPLES AT SAAB

Digitized Development & Production

Software Defined Products

Digitized Disruptive Solutions
OPPORTUNITIES & CHALLENGES

Challenges

• Cyber security!
• Previous investments/reuse vs Renewal
• Disruptive entrants may challenge traditional dominating suppliers
  – New digital technologies drive changes in products, solutions, behaviours and business models
• Certification & standardization - takes time
• Conservative customers
• Communication in large organization
• Culture

Opportunities

• New/improved market offers
  – Embrace digitalization faster than competitors
• Ways of working
  – Model Based Systems Engineering
  – Common strategy and roadmap
  – Customer engagement
  – Life Cycle Support over 20-30 years
• Technology
  – Higher level of abstraction
  – Tools for simplified migration to new IT-environments (Virtualization, Cloud, HW, SW)
  – Data driven decisions
• Automation & Autonomy
• Culture
ANYTHING IS POSSIBLE IN A DIGITAL WORLD