Welcome to Saab Sensor seminar

Using sensors to locate threats - an advantage on the battlefield





Anders Carp

Head of Business Area Surveillance



Agenda

Welcome by Anders Carp - SVP and Head of Saab business area Surveillance

Encountering threats with surface radars - Hanna Svantesson, Head of Product Management Surface radars

Using electronic warfare and information fusion for situational awareness -Robert Humeur, Business Development & Strategy business area Surveillance

Market outlook and closing remarks - Anders Carp

Question and answer session – Ann Wolgers, Press officer

Important information

This presentation may contain forward-looking statements which reflect Saab AB's current view on future events and financial and operational development. Words such as "intend", "expect", "anticipate", "may", "believe", "plan", "estimate" and other expressions which imply indications or predictions of future development or trends, and which are not based on historical facts, are intended to identify forward-looking statements. Forward-looking statements inherently involve both known and unknown risks and uncertainties as they depend on future events and circumstances. Forward-looking statements do not guarantee future results or development and the actual outcome could differ materially from the forward-looking statements.



In 1937 we took off

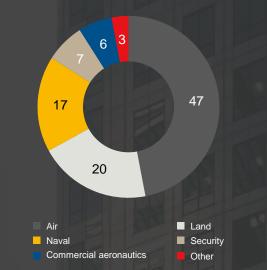
- In 1937, Saab was founded to protect Sweden's borders and its people
- Born smart as a small country, we were forced to arm ourselves with good and cost-effective equipment
- On our journey we created Sweden's computer, missile and space industries
- Saab President and CEO Micael Johansson



Company overview – 2018



Employees





Customer countries

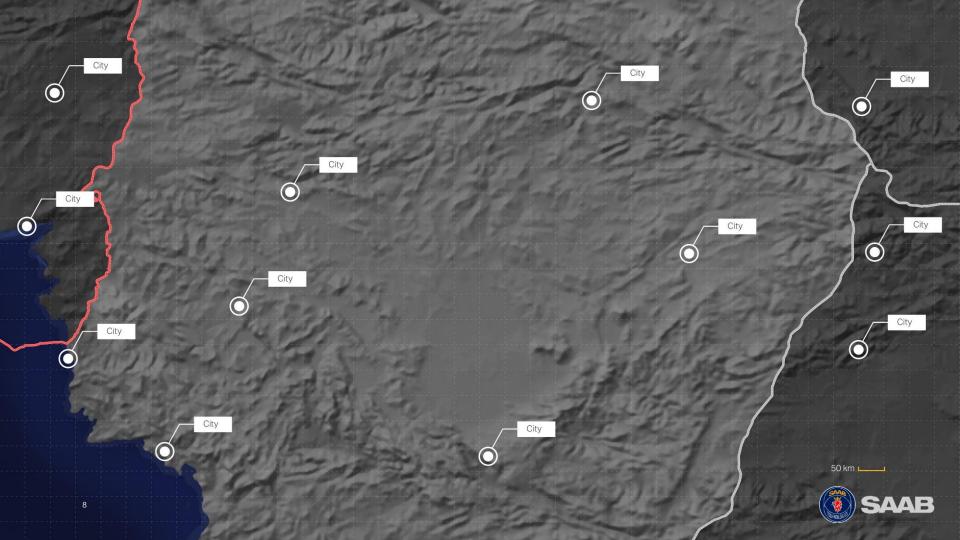




Situations benefitting from surveillance capability

DronesNatural disastersConflictsStealth fighterPiracySearch & rescueEvacuation/
mass exodusLong range air
defence missileDrone swarmsDrug
enforcementVIP & event
protectionTerrorConcealed cruise missileNext gen AEW&CsCyber attackRefugeesSabotageLong range cruise missileJammingHijackingsTargeting from
satellitesGuerrillasTactical ballistic missileHypersonic missilesPeacetimeCrisisConflictsConflicts





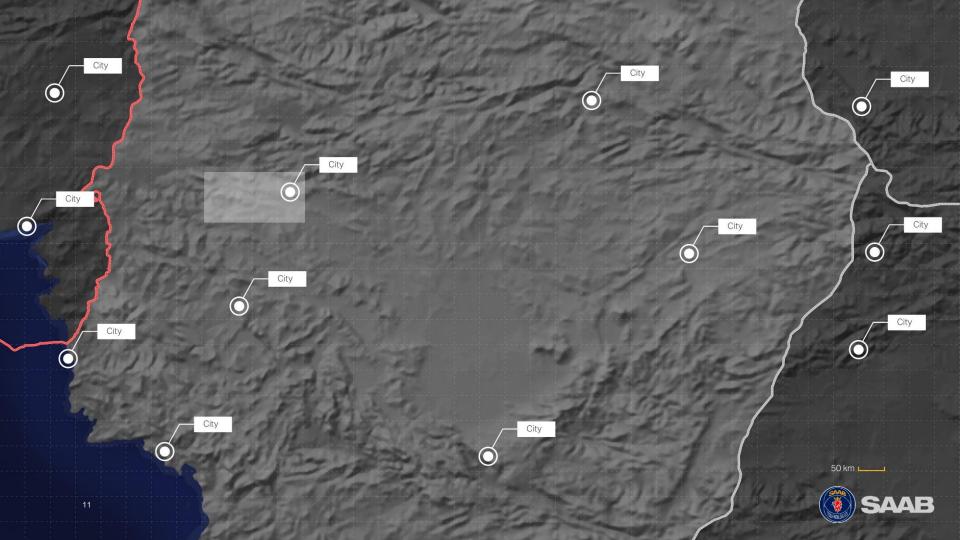


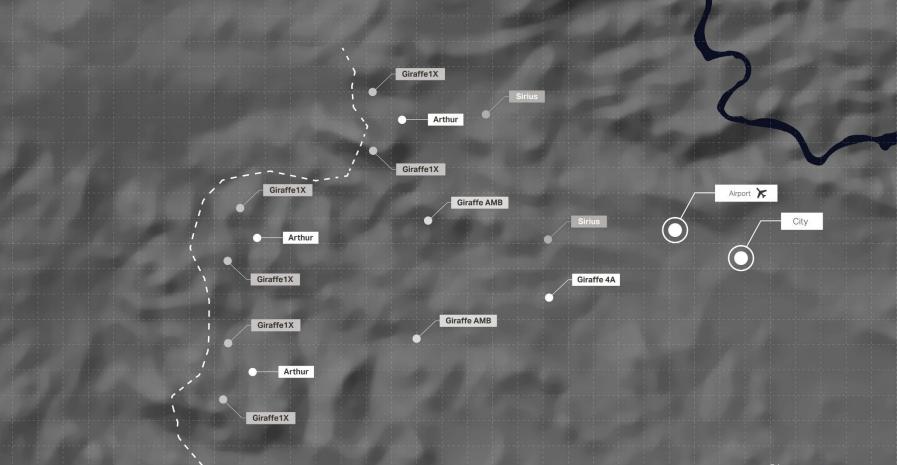
Hanna Svantesson

Head of Product Management Surface radars



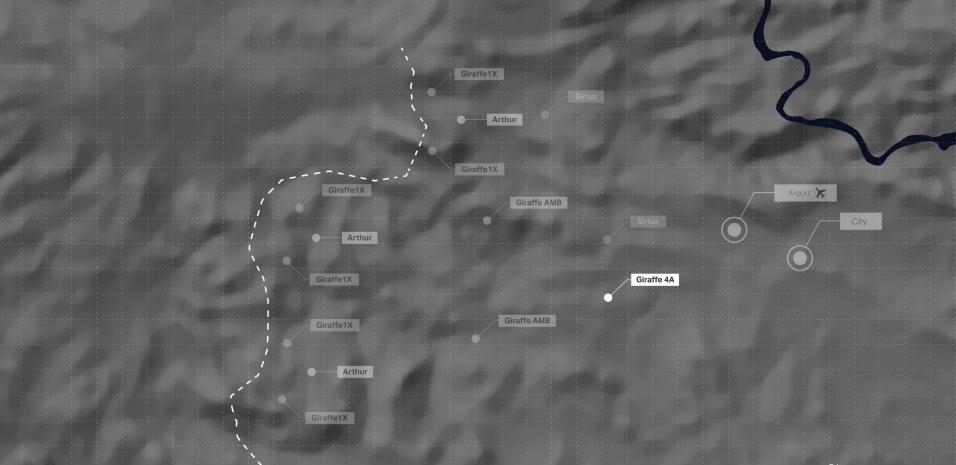






5 km 🕨





5 km 🛌



Giraffe 4A

• Multifunctional within a single solution

Giraffe1X

Arthur

- Fast track initiation and high target update rates
- Full awareness and performance



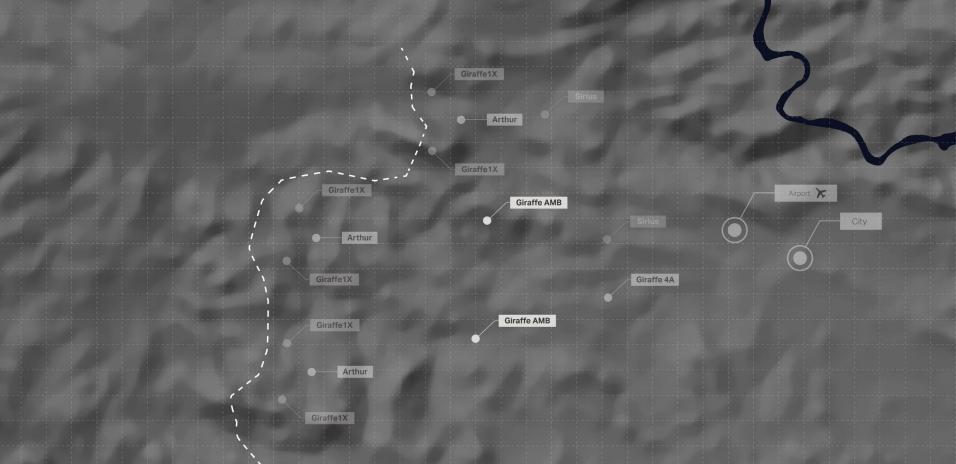
Giraffe1X

Arthur

Airport 🔭







5 km 🛏



Giraffe AMB

- Air surveillance, decision support and interoperability in the same platform
- Multifunctional with engagement quality data
- Capable to act autonomously or networked



Giraffe1X

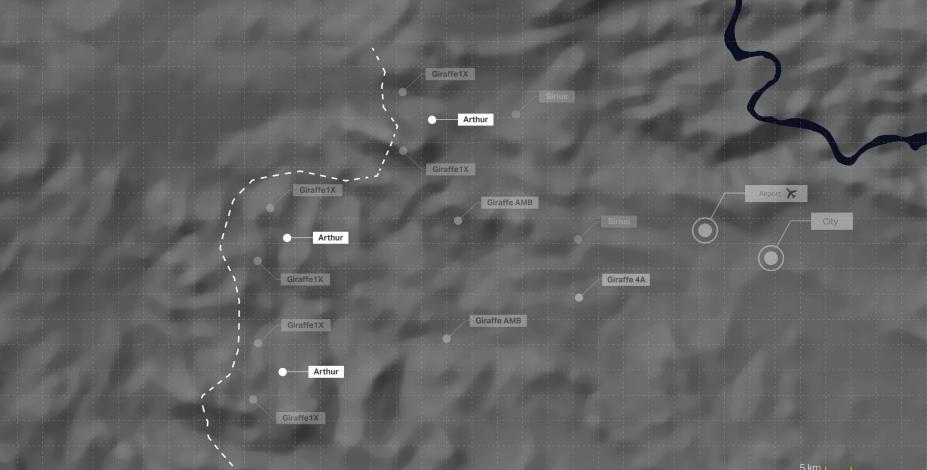
Giraffe1X

Arthur

Arthur



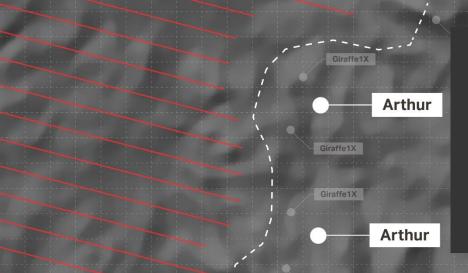








Arthur



Giraffe1X

Arthur

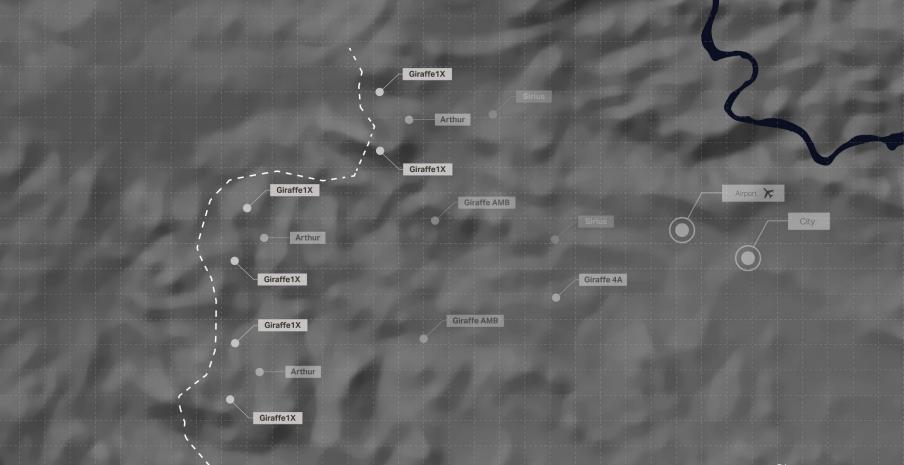
Giraffe1X

- Precise counter-battery fire within seconds
- High mobility and short deployment time
- Interoperable that secure points of origin and points of impact



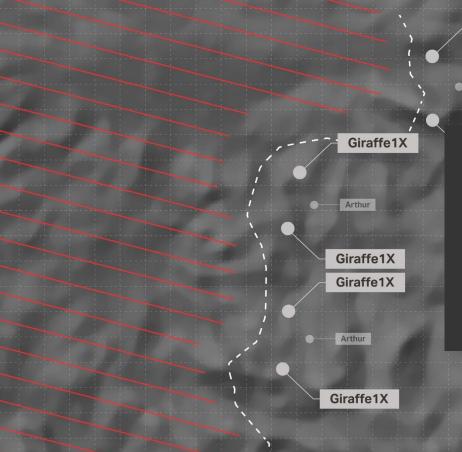


5 km _____



5 km 🛏





Giraffe 1X

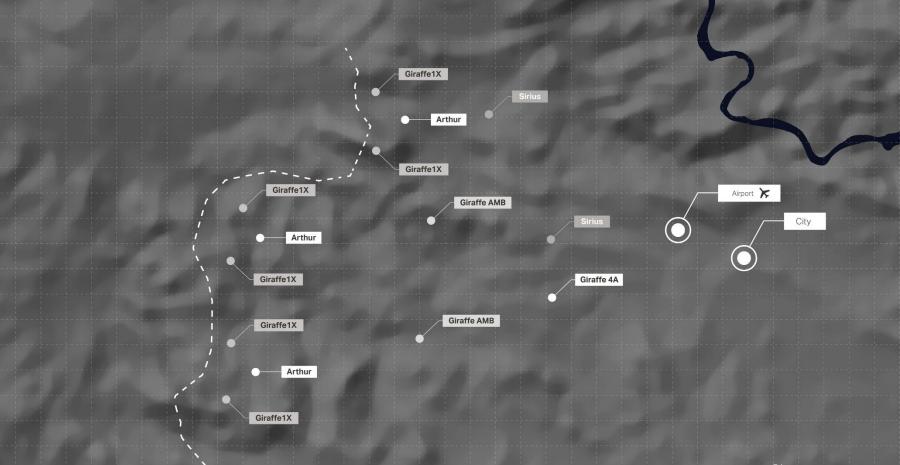
Giraffe1X

Arthur

- Compact and lightweight
- Multifunction radar
- Search on the move





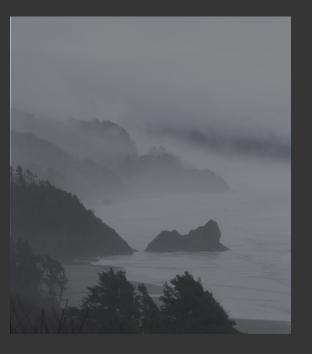


_ 5 km ∟



Common capabilities

- Simultaneous multi-functionality
- High accuracy 3D air target information
- Large continuous volume coverage and high update rate
- Software based radar systems
- Drone detection with ELSS (Enhanced, Low, Small and Slow) functionality
- Sense & warn and weapon locating functionality

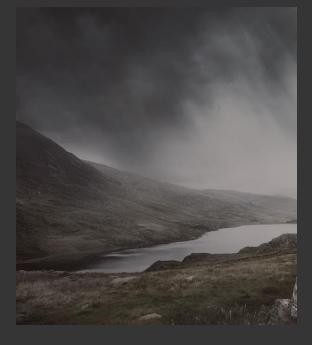




City

Combat proven

- 200+ systems in more than 20 countries
- All systems on contract and in production
- Giraffe AMB and Arthur combat proven in Iraq and Afghanistan as 24/7 camp and force protection





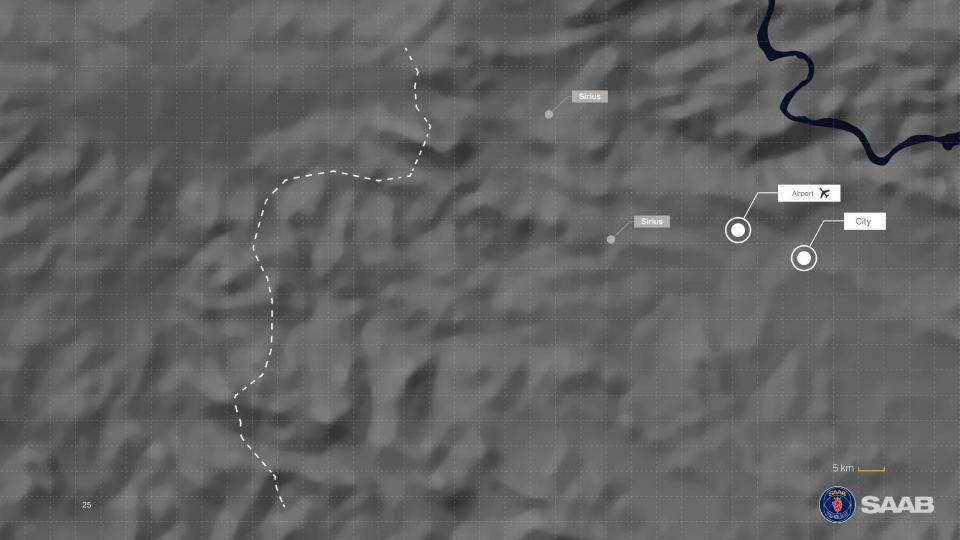
City



Robert Humeur

Business development & strategy, Business area Surveillance





Sirius

Sirius

- Powerful passive sensors
- Detects, locates and identifies every signal
- Machine learning for signal classification
- Advanced multi sensor network solution
- Highly automated operation
- Cyber secure platform

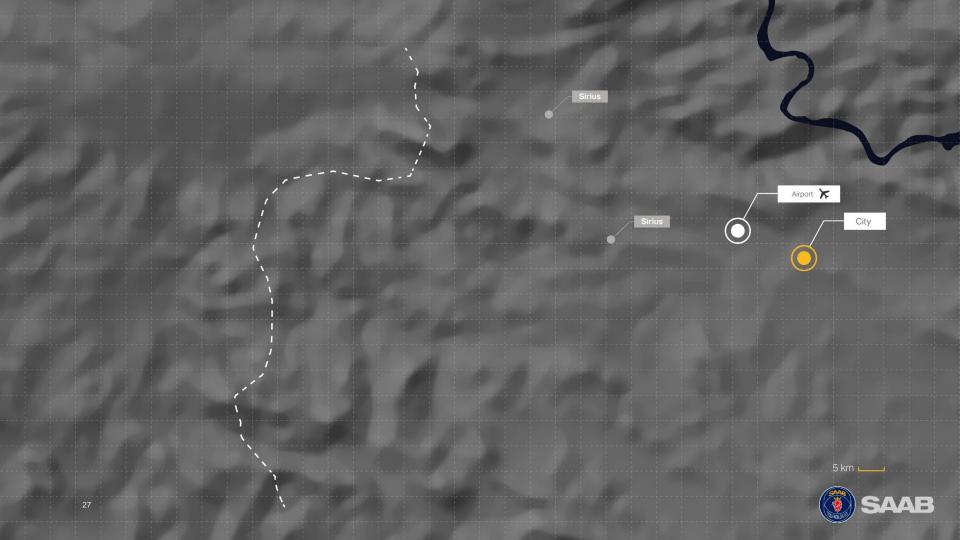




Airport 🔭

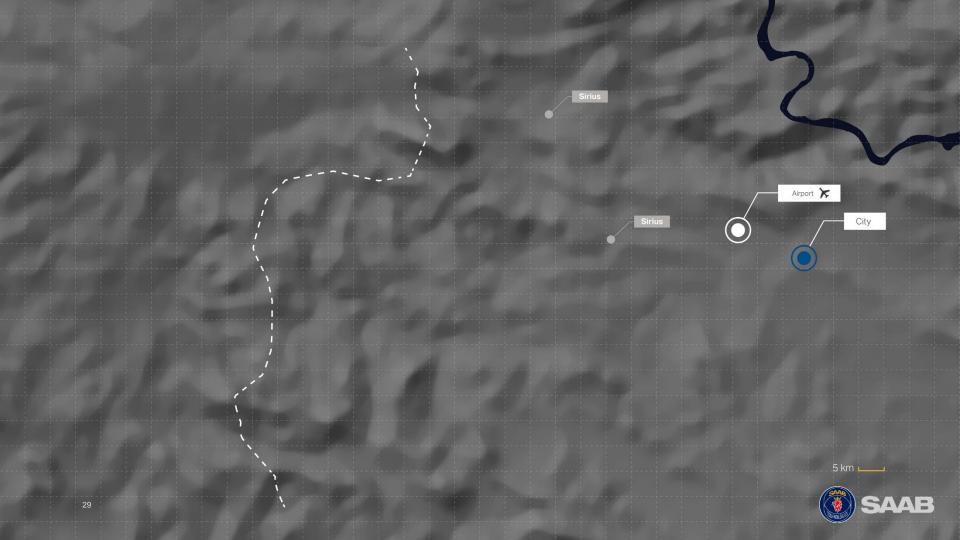
City

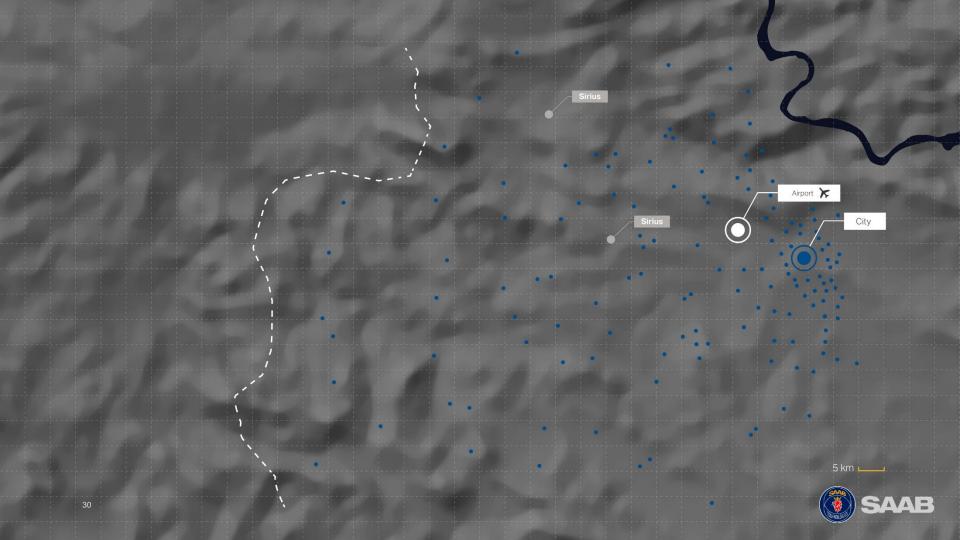


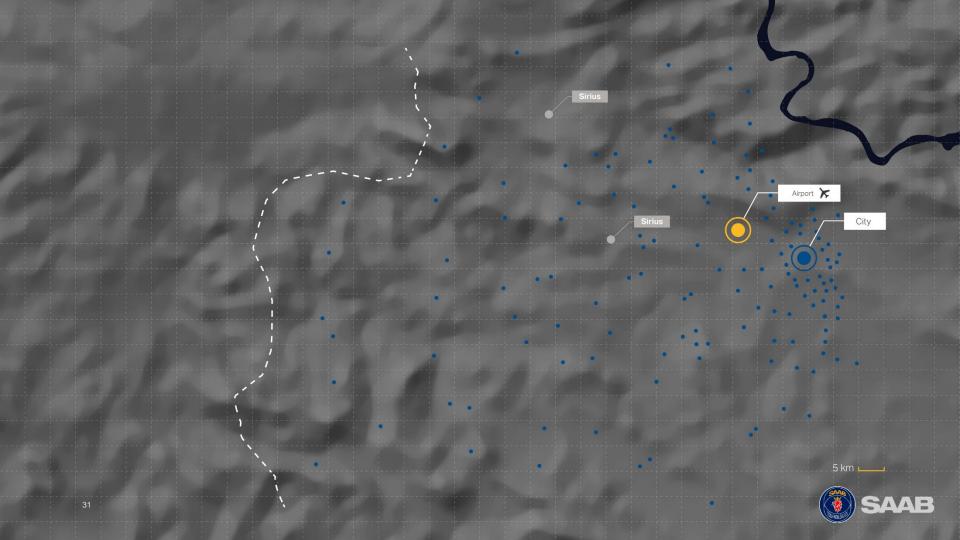


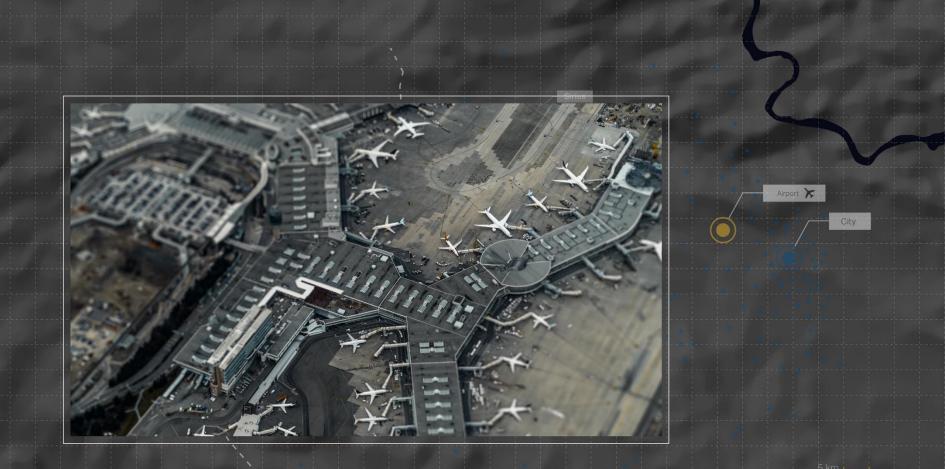




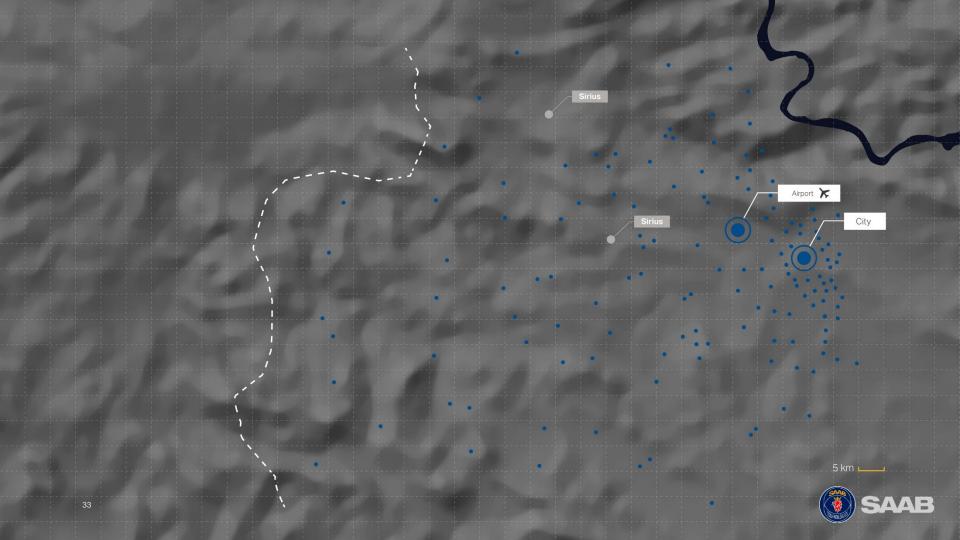


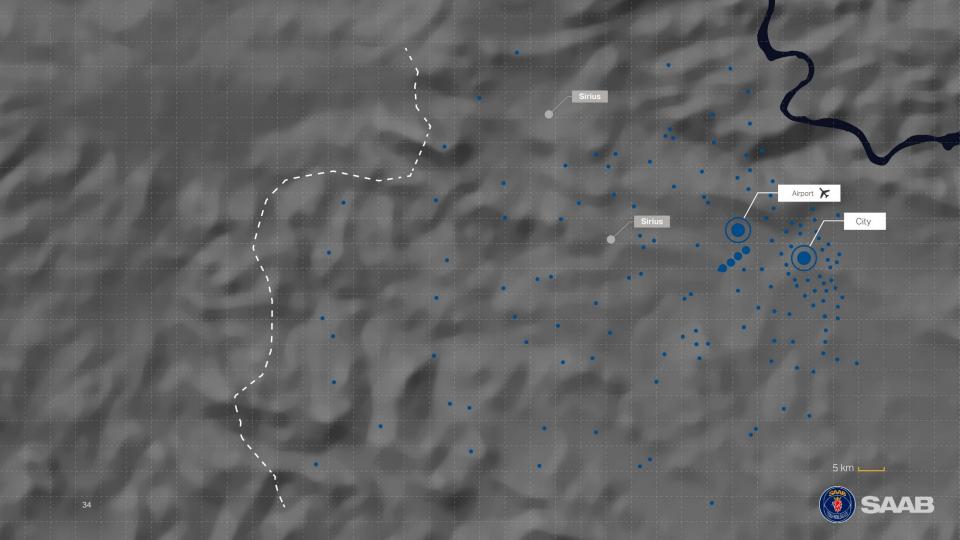


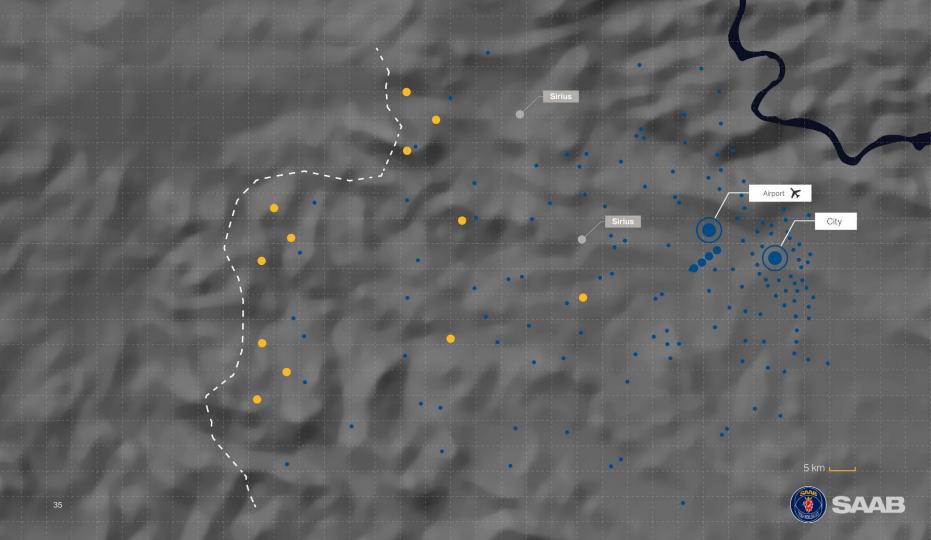


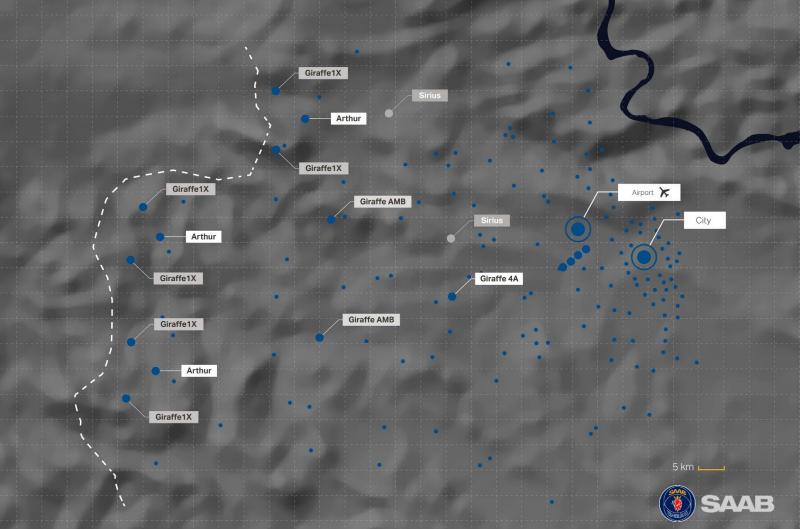


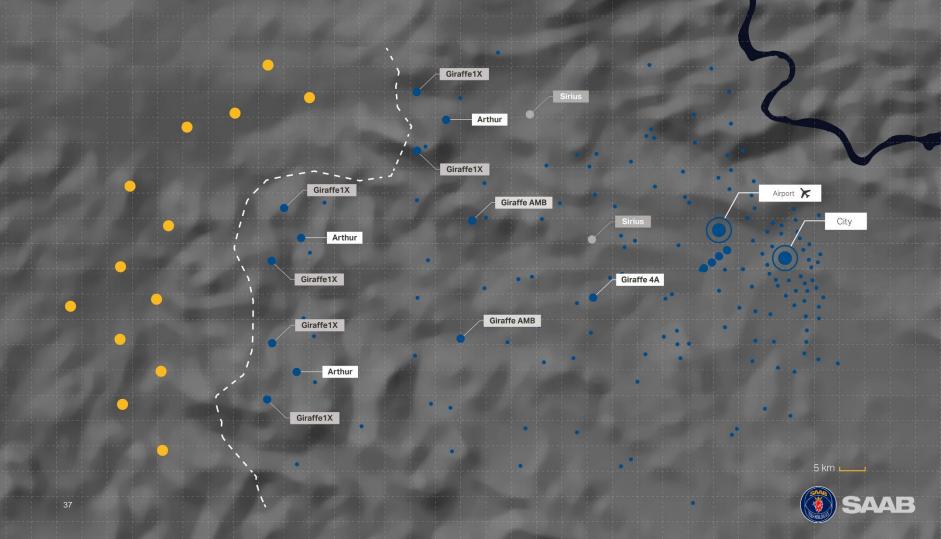


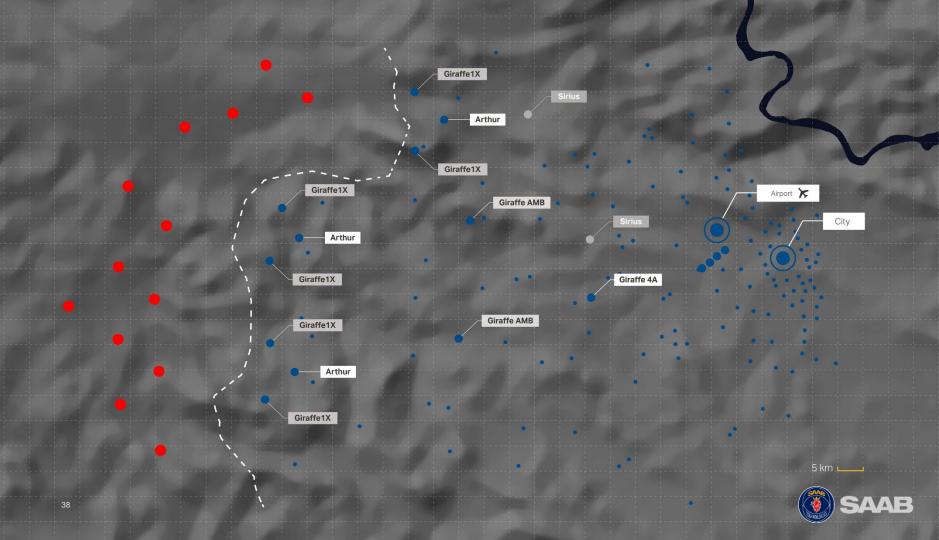




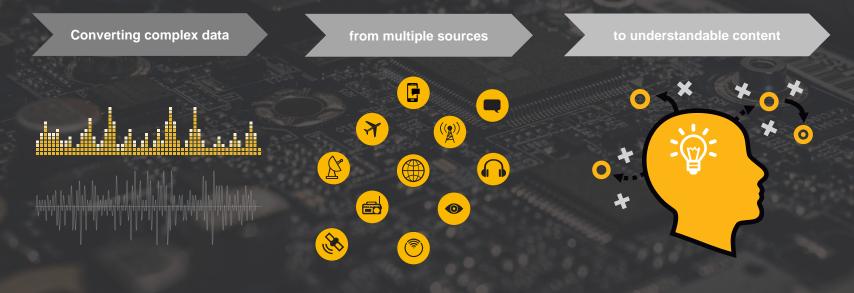








Information fusion



Supporting your decision making





Anders Carp

Head of Business Area Surveillance

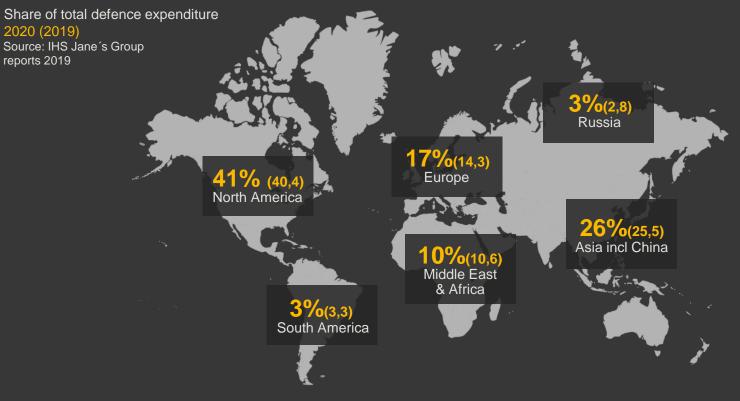


Trends driving market demand

- Continued increase in defence budgets for NATO countries and other major countries
- Geopolitical uncertainty continues
- Technology advancements and digitalization
- Military strategies are embracing more digital tools and increasing the use of space technologies
- Global economic slowdown has minor impact on the industry due to different cyclical characteristics



The global distribution of defence budgets 2020

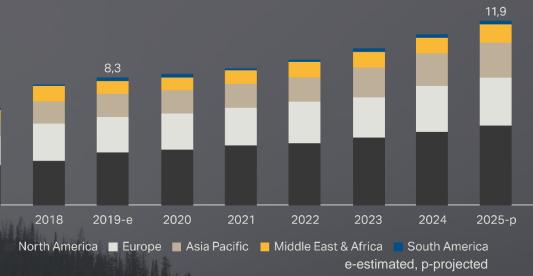




Market outlook Surveillance Radar

2017

- The surveillance radars market is projected to grow from US\$ 8,3 (2019) to US\$ 11,9 (2025) at CAGR 6,3 %
- Market growth is attributed to the ongoing global military modernisation during the forecast period
- The demand for 3D surveillance radars for air defense, drone detection, and ISR, among others, are driving the market





GlobalEye



GlobalEye did its debut airshow visit as part of the static display at Dubai Airshow

During Dubai Airshow UAE announced the intention to buy two additional GlobalEye with the price of 1,018 MUSD

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Saab Sensor Seminar 2019





Thank you for your participation



Thank you for your participation

