



SAAB

Gripen Seminar

16 May, 2018

#smartfighter



Jonas Hjelm
Head of Business Area Aeronautics

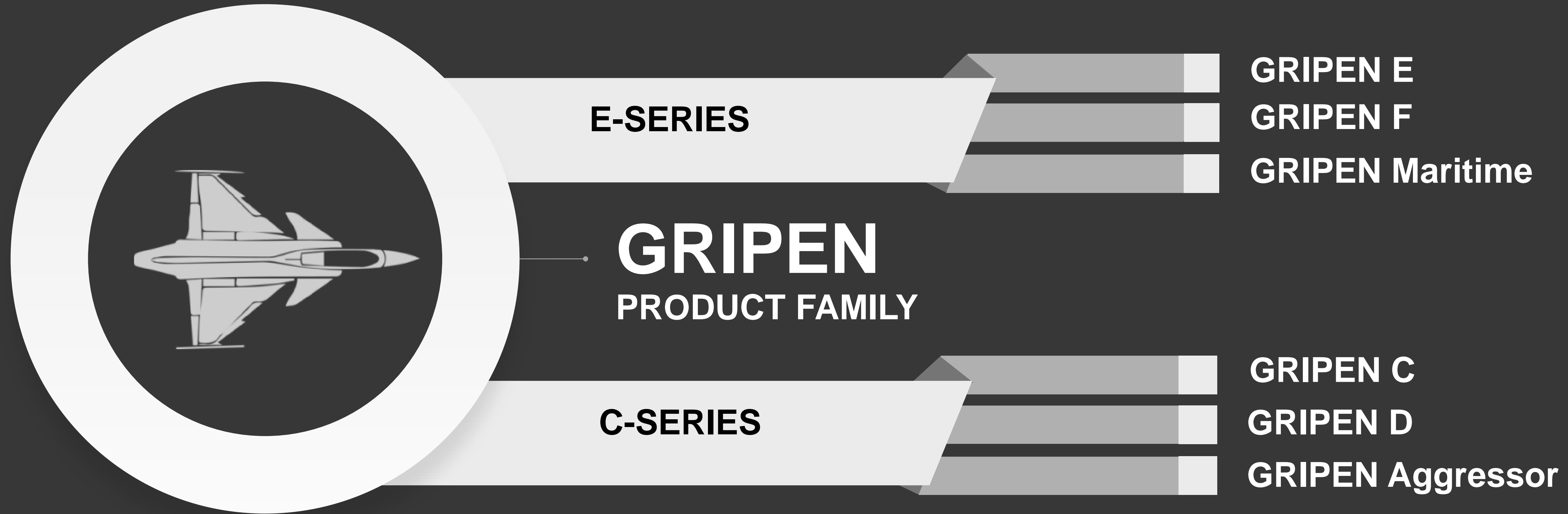


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A year of
achievements

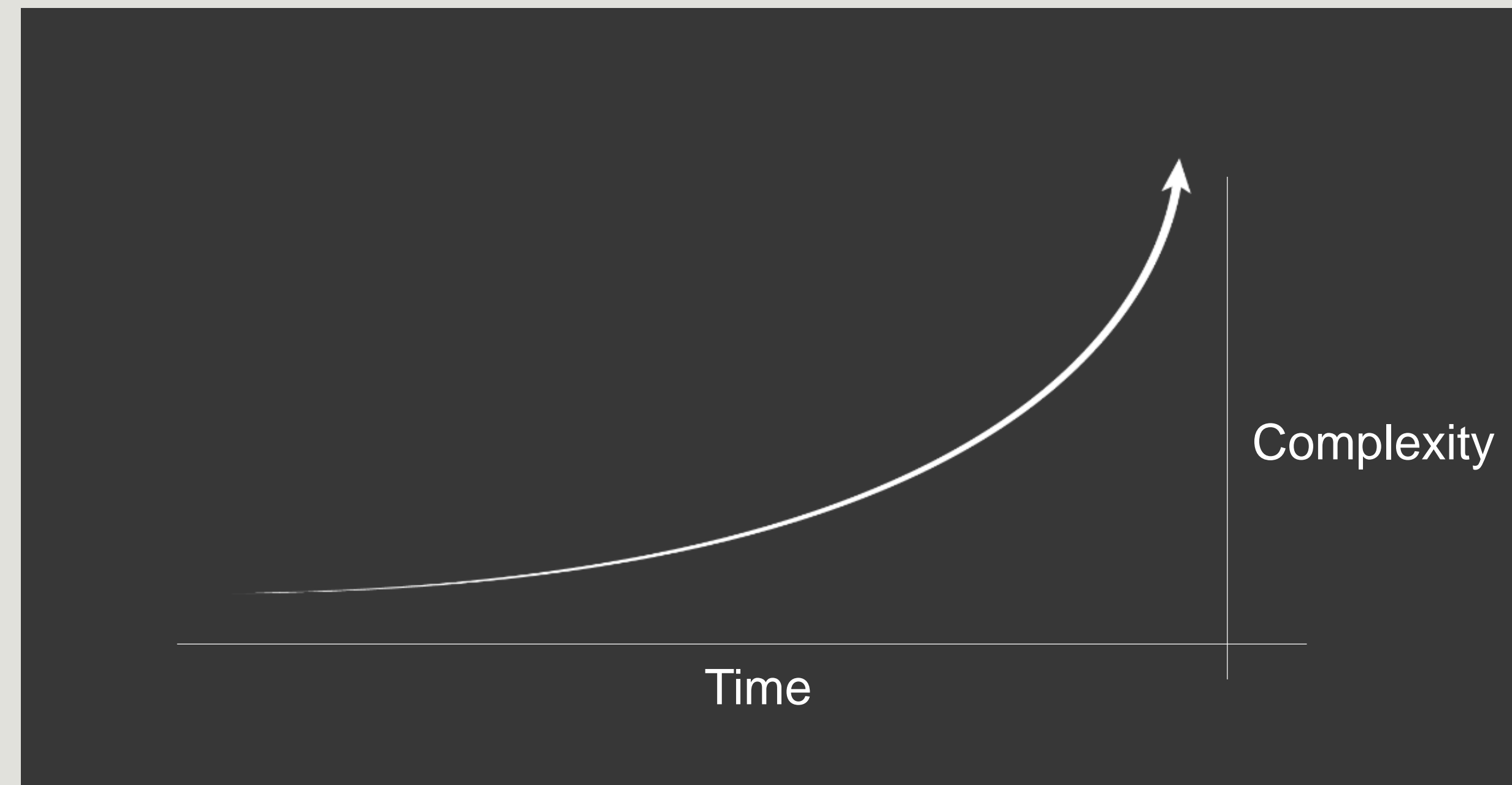


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The smart fighter for generations







Richard Smith

Head of Gripen Marketing & Sales
@RichJBsmith

Gripen 2018 - Key factors

Highly complex & lengthy procurement processes

Focus on Gripen C-series sales

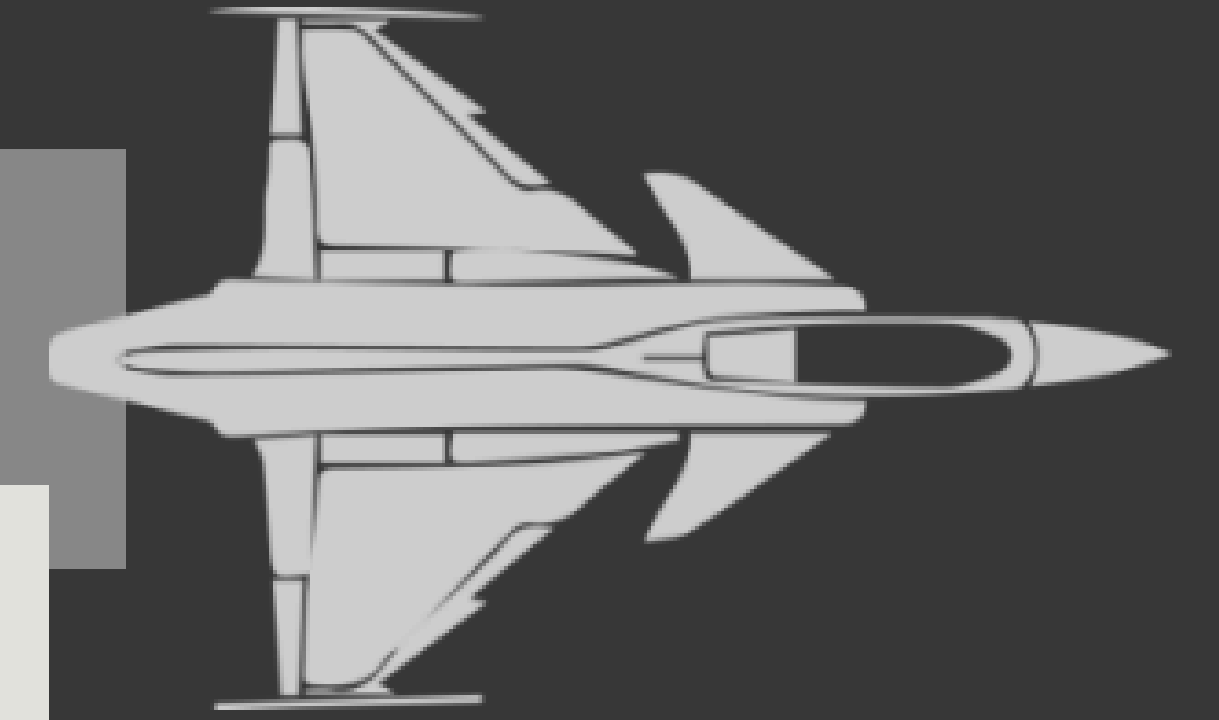
Gripen C-series capability and overall value world-leading

High market interest for both Gripen C-series and E-series

Sales efforts for Gripen E-series increasing – pitched in several major competitions

Gripen success in Brazil strengthening sales efforts

Convert 'Aggressor' Business Development into Sales (UK & USA) - Gripen Aggressor well suited



Our global footprint



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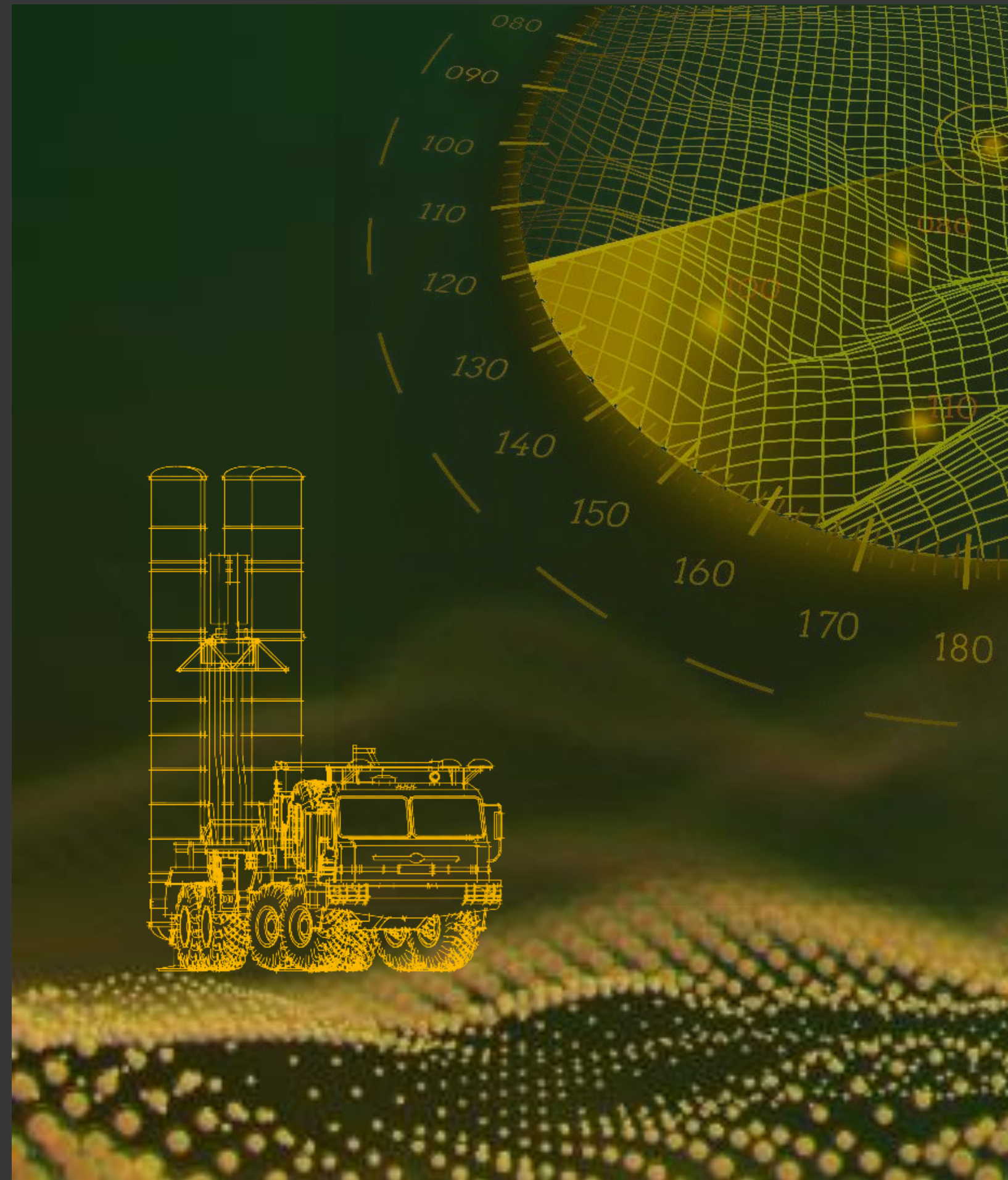
Our global footprint



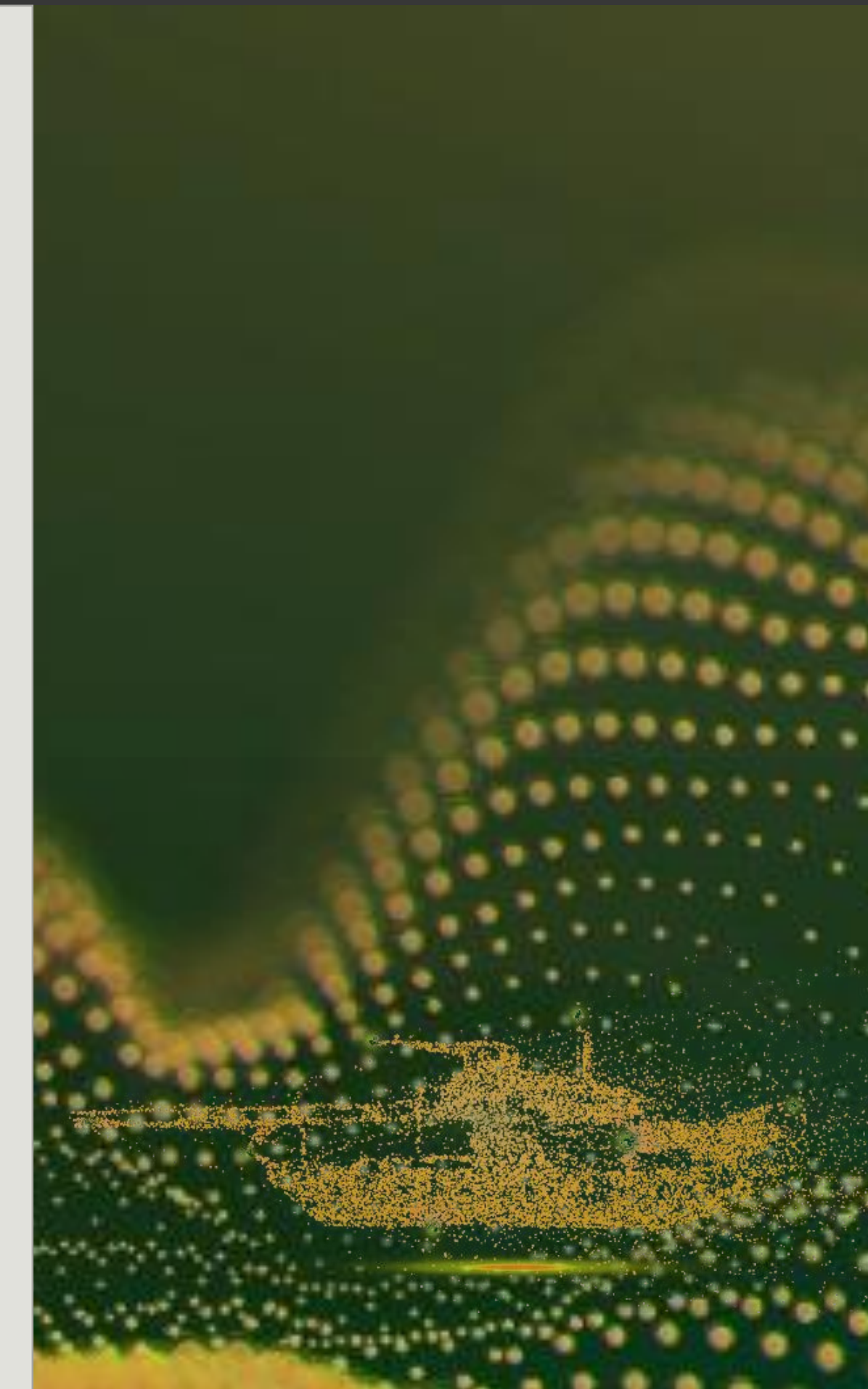


Mikael Olsson
Wing Commander Flying

The rapidly evolving battlespace



- Rapid technological development
- High-tempo operations
- Long range weapons and radars
- Low observable targets
- Advanced electronic warfare
- More data to analyse
- Rapid obsolescence



The rapidly evolving battlespace



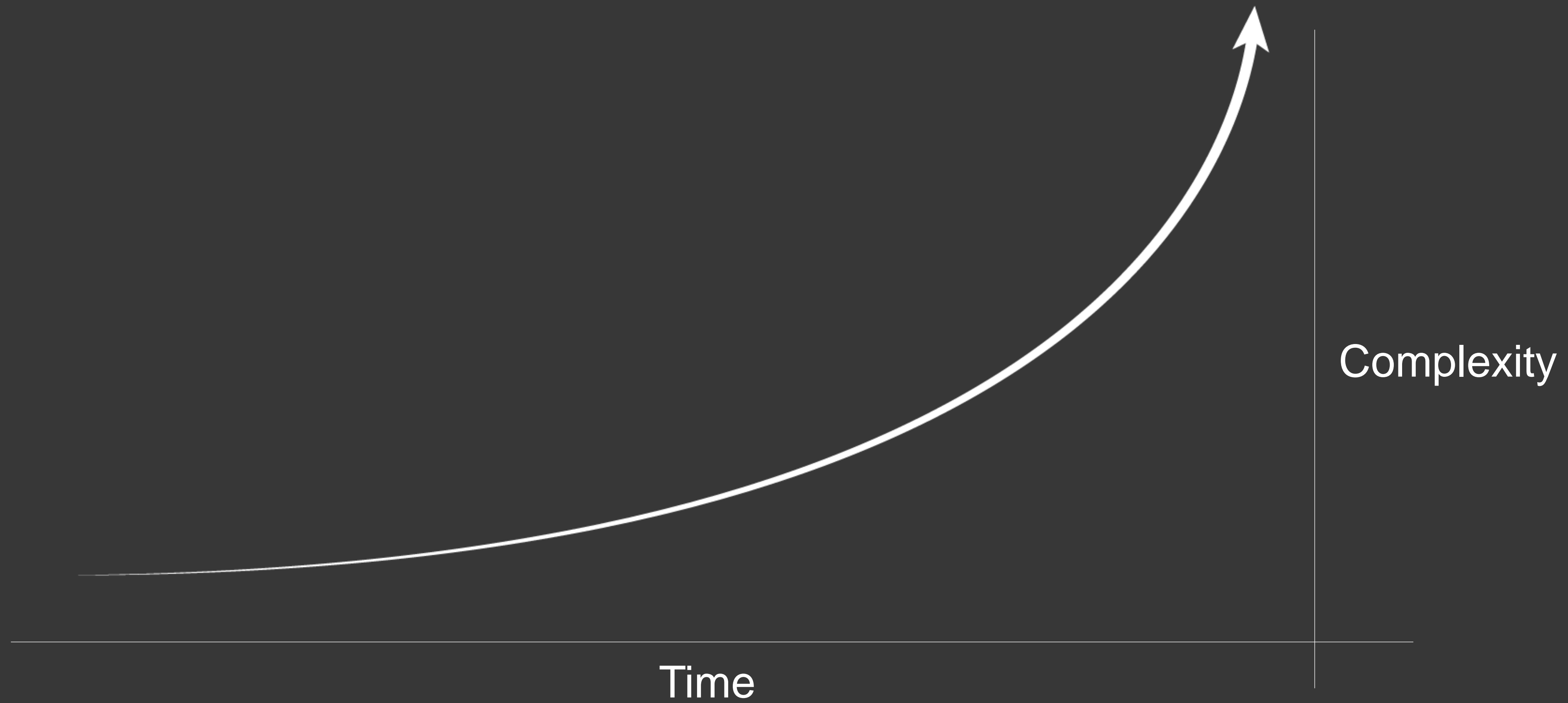
For the pilot, this means:

- No threat avoidance
- Deal with low-signature threats
- Human machine collaboration
- Full spectrum control



The rapidly evolving battlespace

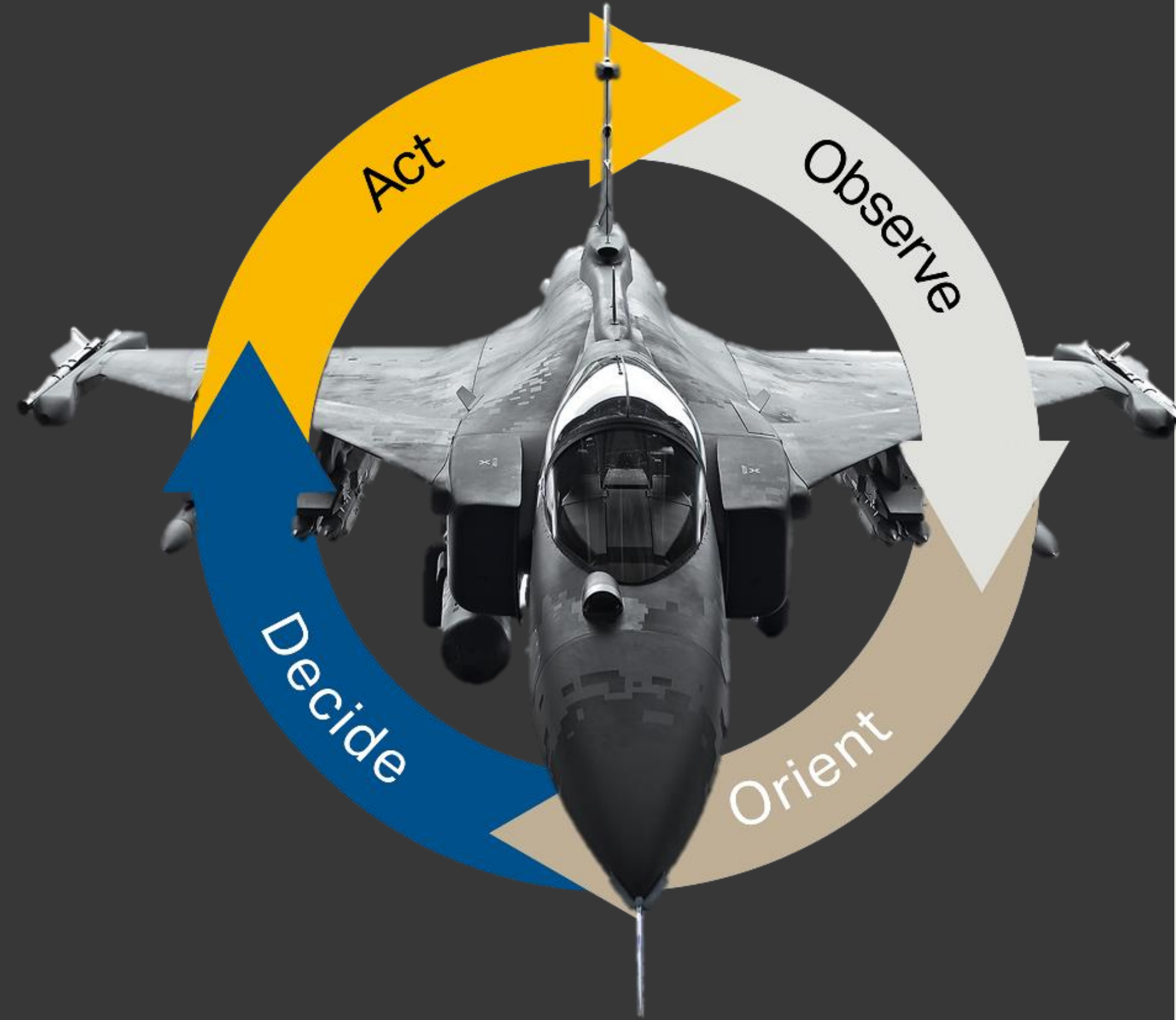
The future of
air power
is defined by
technology



Gripen E - the fighter that adapts and embraces **technology** and is smart enough to turn it into operational effect.



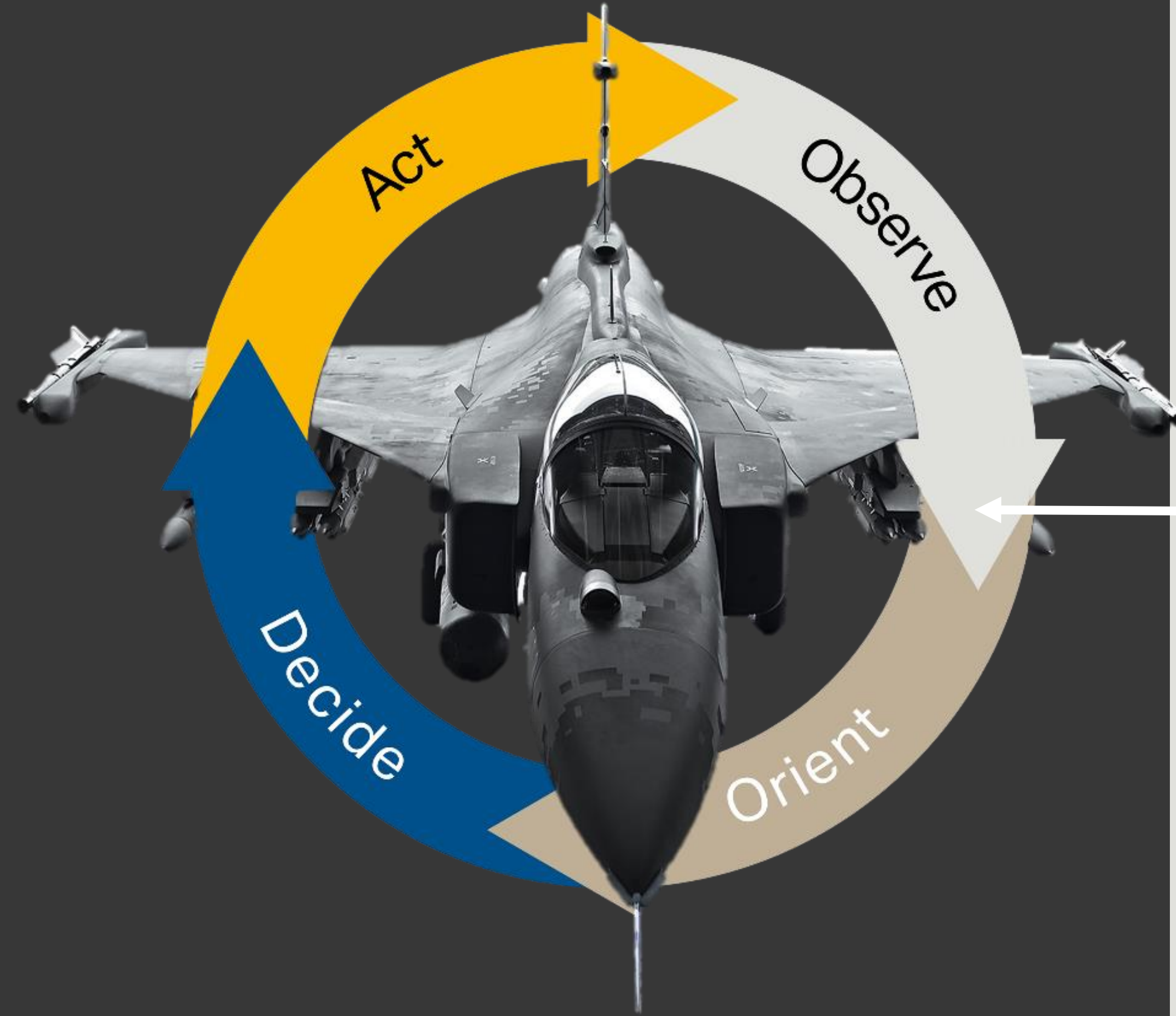
Gripen E – one step ahead



Operational effect means:

- Quick decision cycle
- Correct analysis
- Cooperation

Gripen E – one step ahead



**See the unseen.
Before being seen.**

- Advanced sensors
- Data collection
- Shared resources
- Sensor fusion

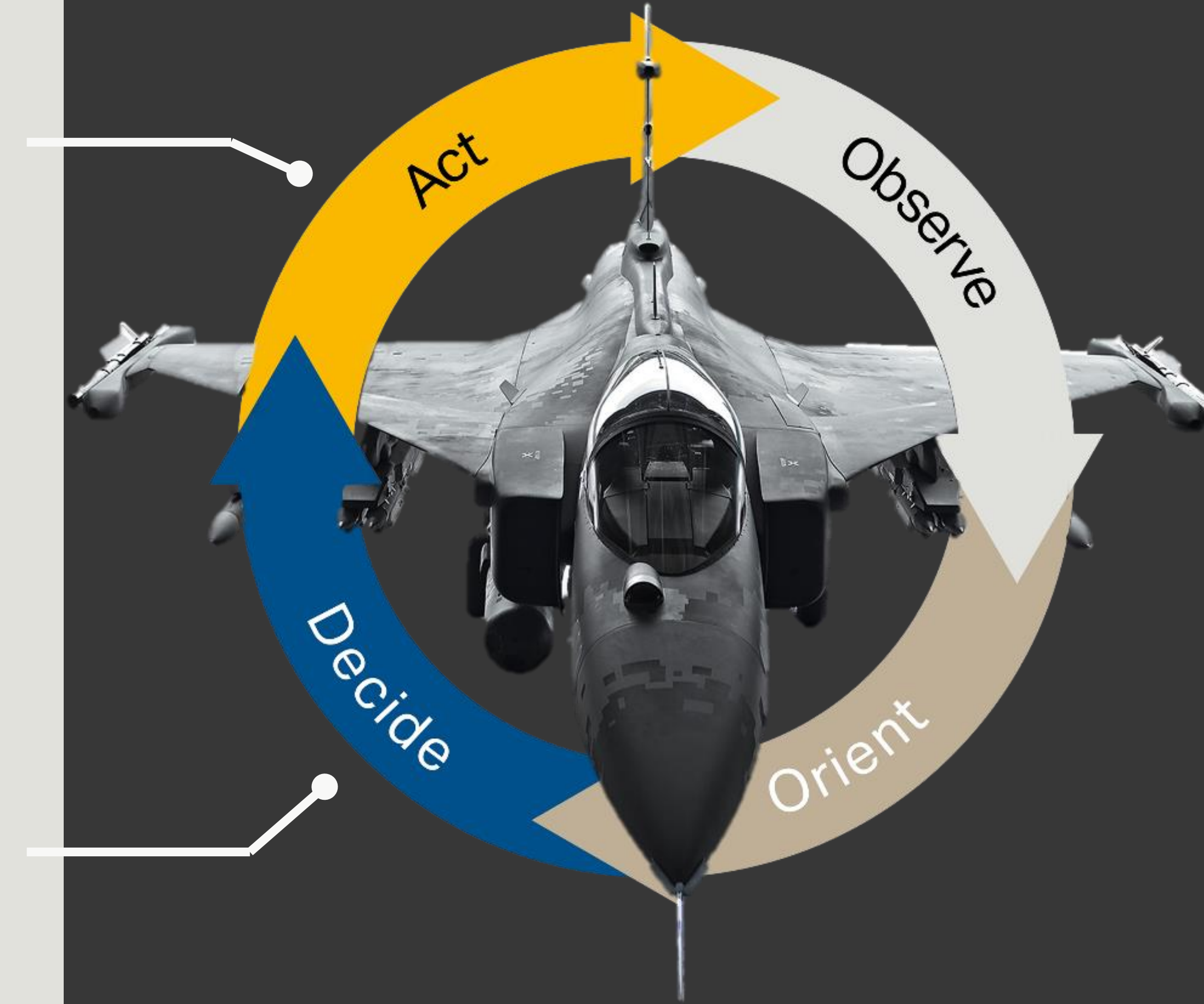
Gripen E – one step ahead

**Defeat any threat.
Anywhere.**

- Advanced electronic warfare and the latest weaponry

**Be in control.
Intuitively.**

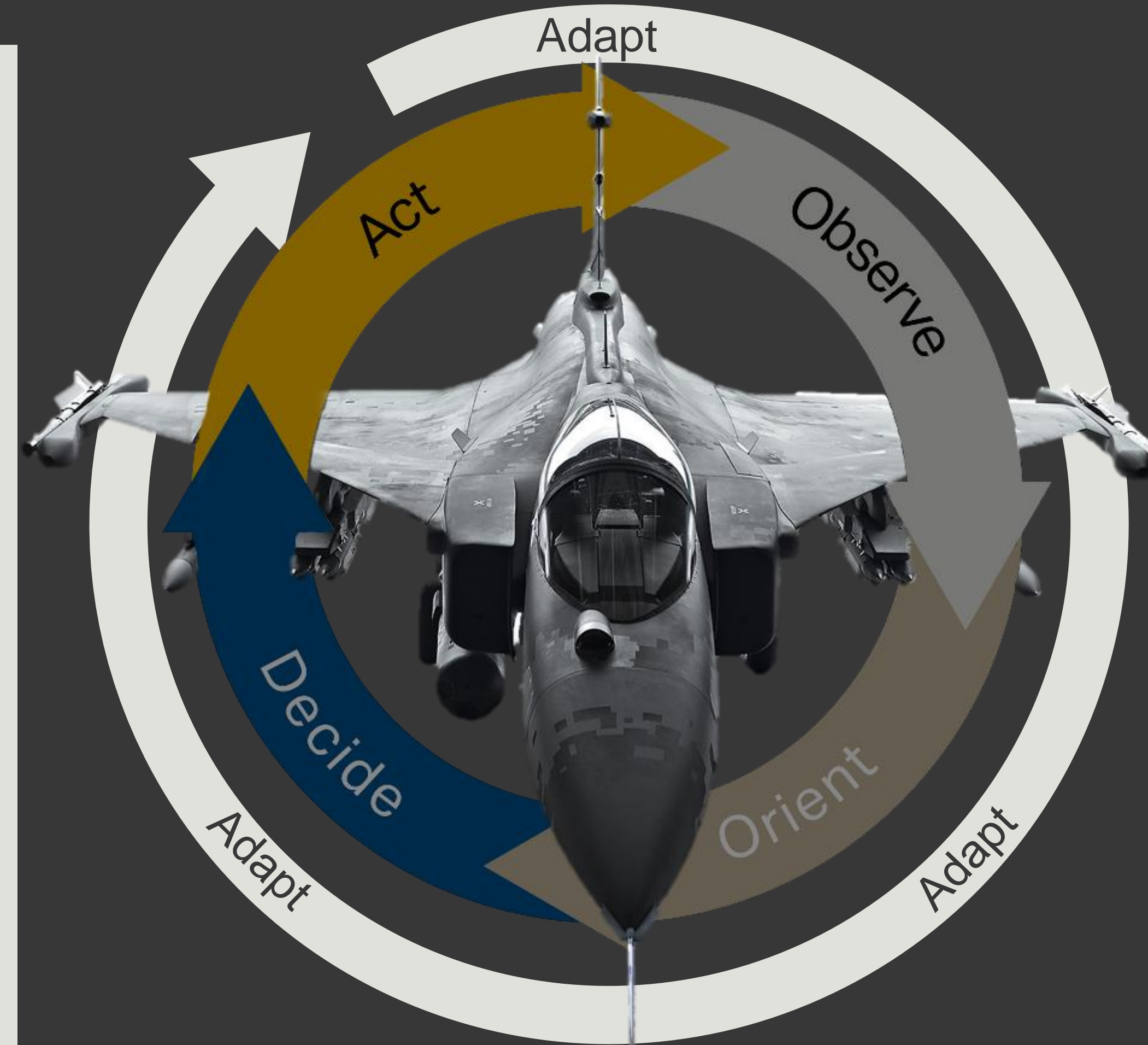
- Decision support
- Autonomy



Gripen E – one step ahead

**Adapt fast.
Stay relevant.**

- Smart avionics architecture
- New threats require new tactics
- Tailored applications and H/W changes
- Quick integration with minimum testing
- New functions updated during a mission



Gripen E. Forever ahead.





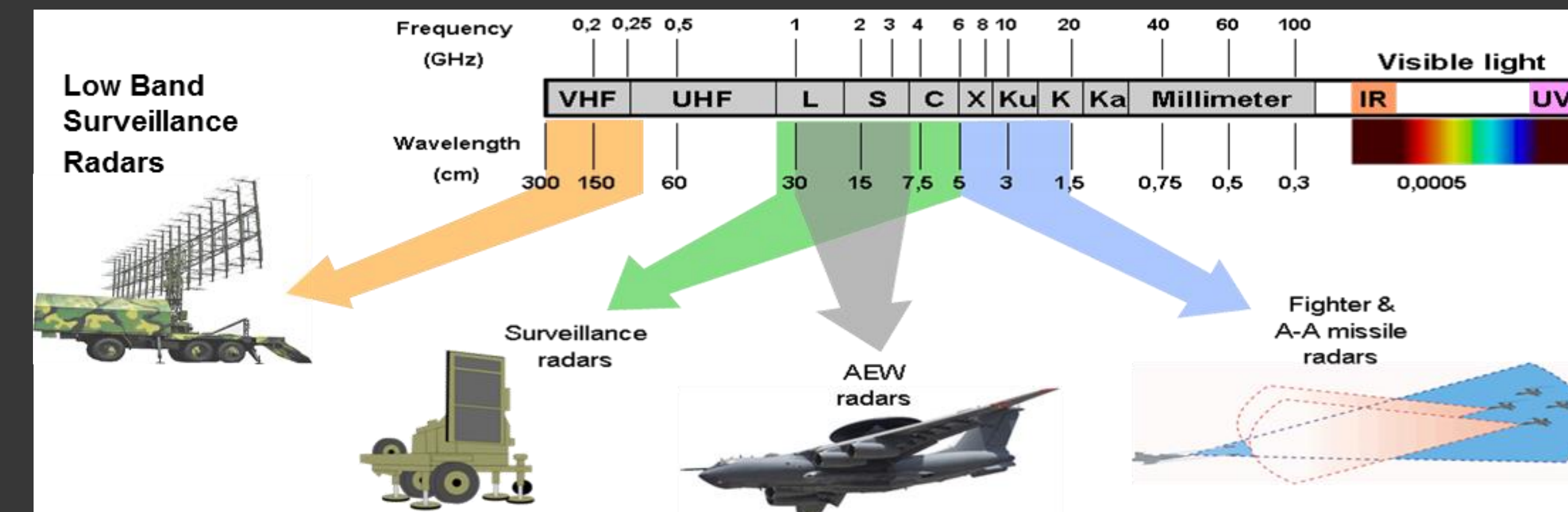
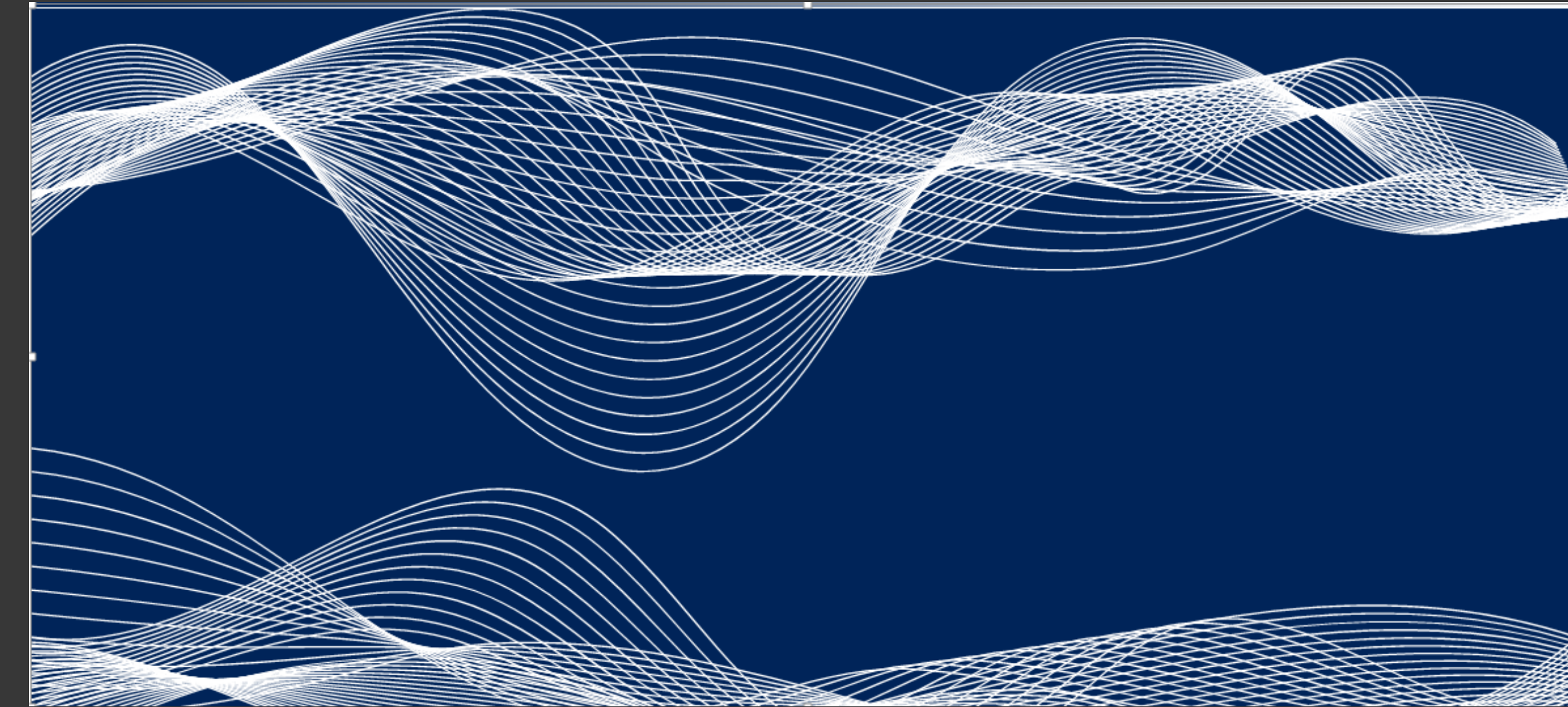
Inga Bergström, M.Sc. E.E.
Sales Director, Product Area Gripen



Electronic Warfare is a force multiplier
It enables you to achieve the unexpected

This is Electronic Warfare – EW

- EW is the combat for the **control** over the Electromagnetic (EM) spectrum
- The EM spectrum covers all energy radiated by means of electromagnetic waves and include:
 - Radio communications
 - Radar transmissions
 - Laser radiation
 - Infrared radiation
- The goal is to gain superiority against enemy sensors



Signal and threat environment



Fighters



5G telecom



Long range surface-to-air



AWACS

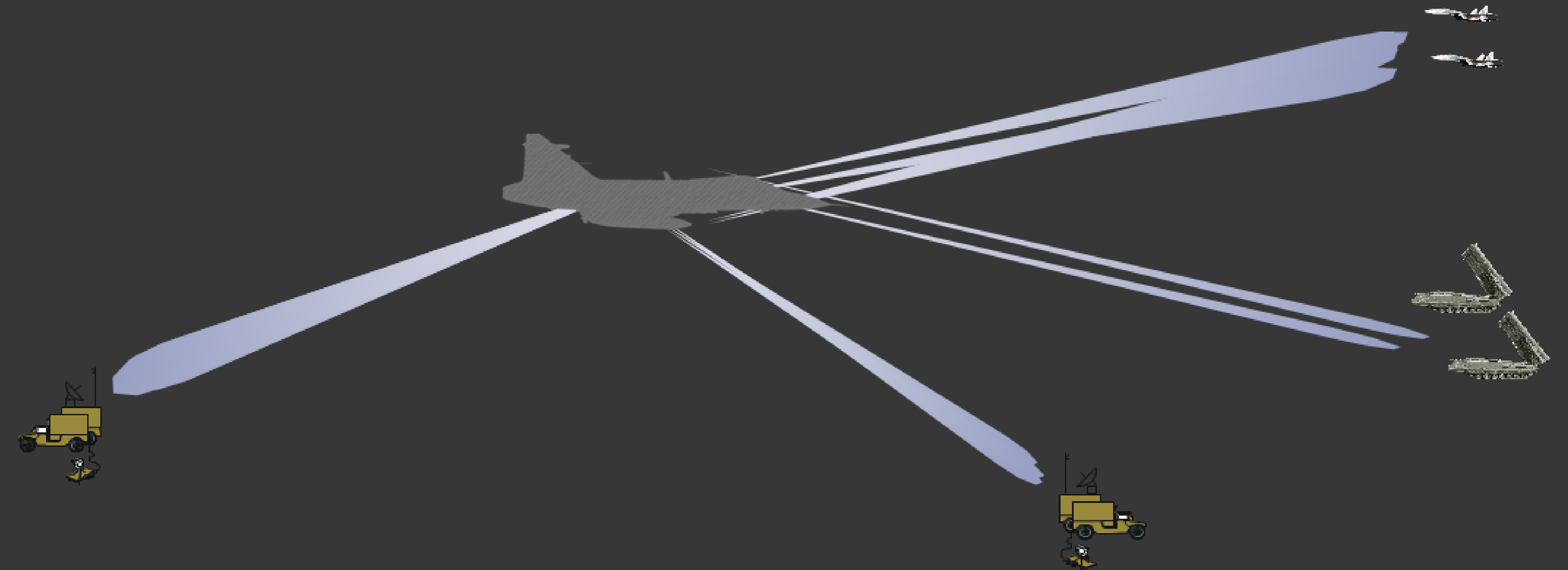
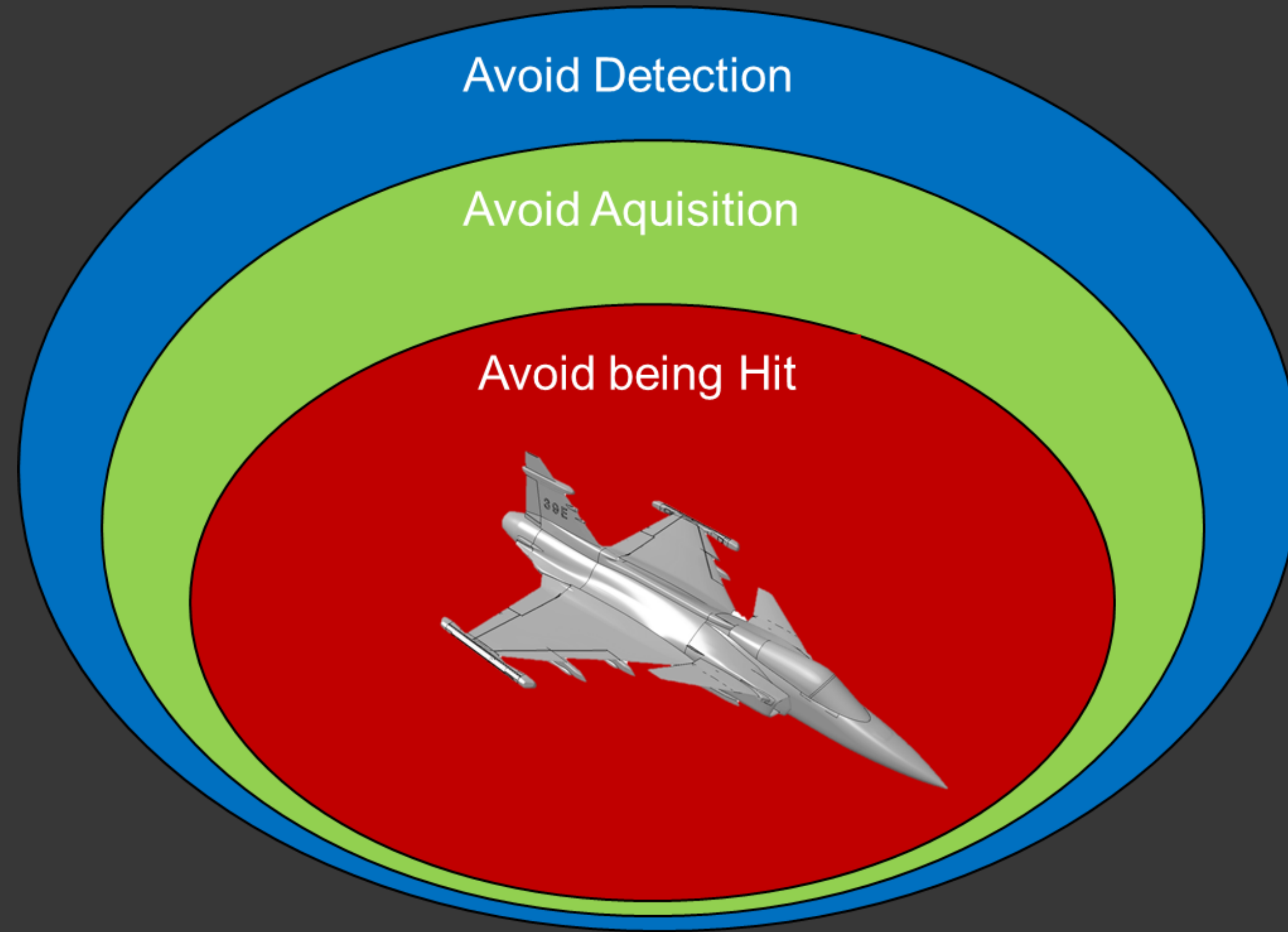


Short range surface-to-air



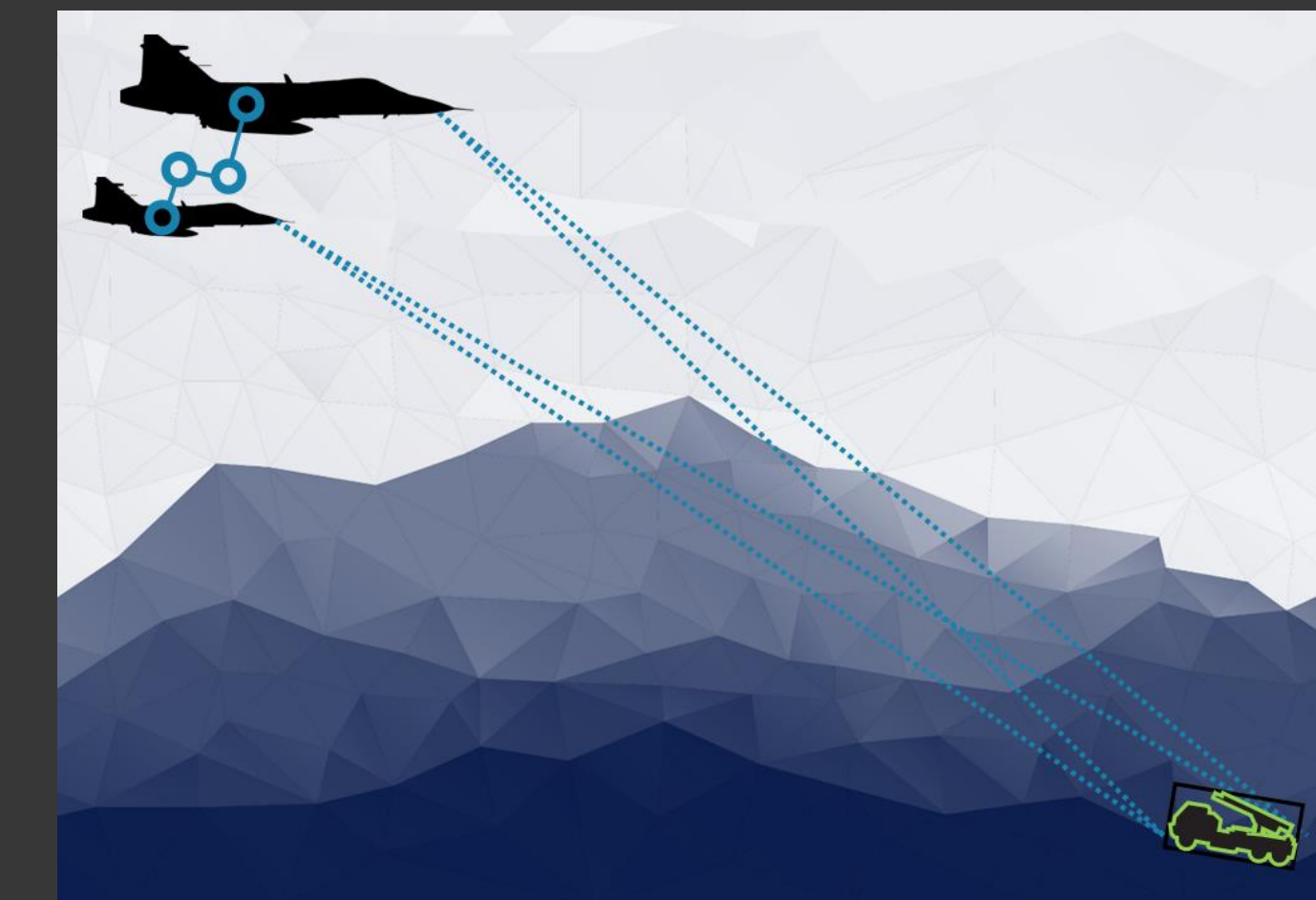
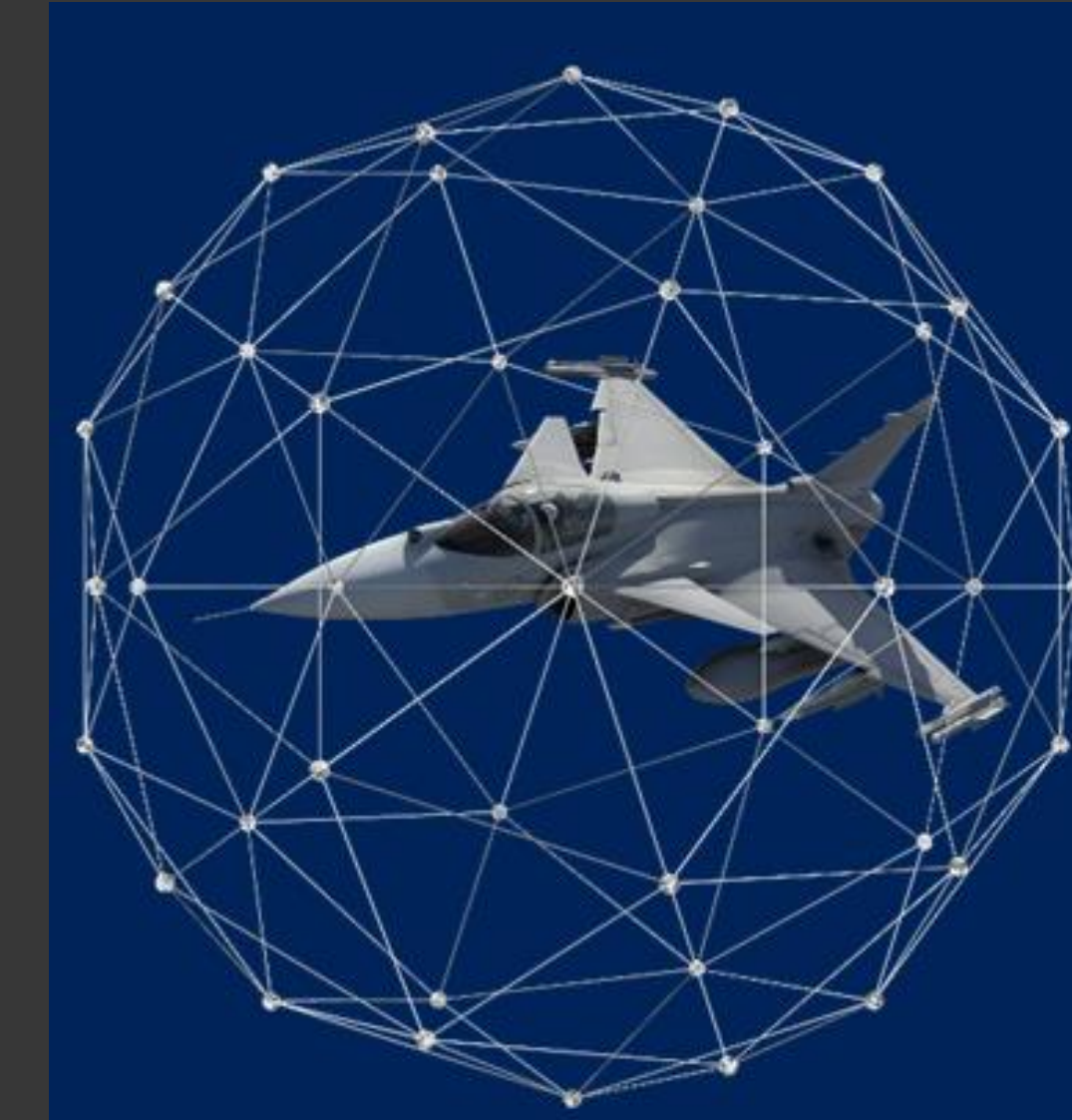
Air-to-air IR missile

Mission success



Fighter EW requirements

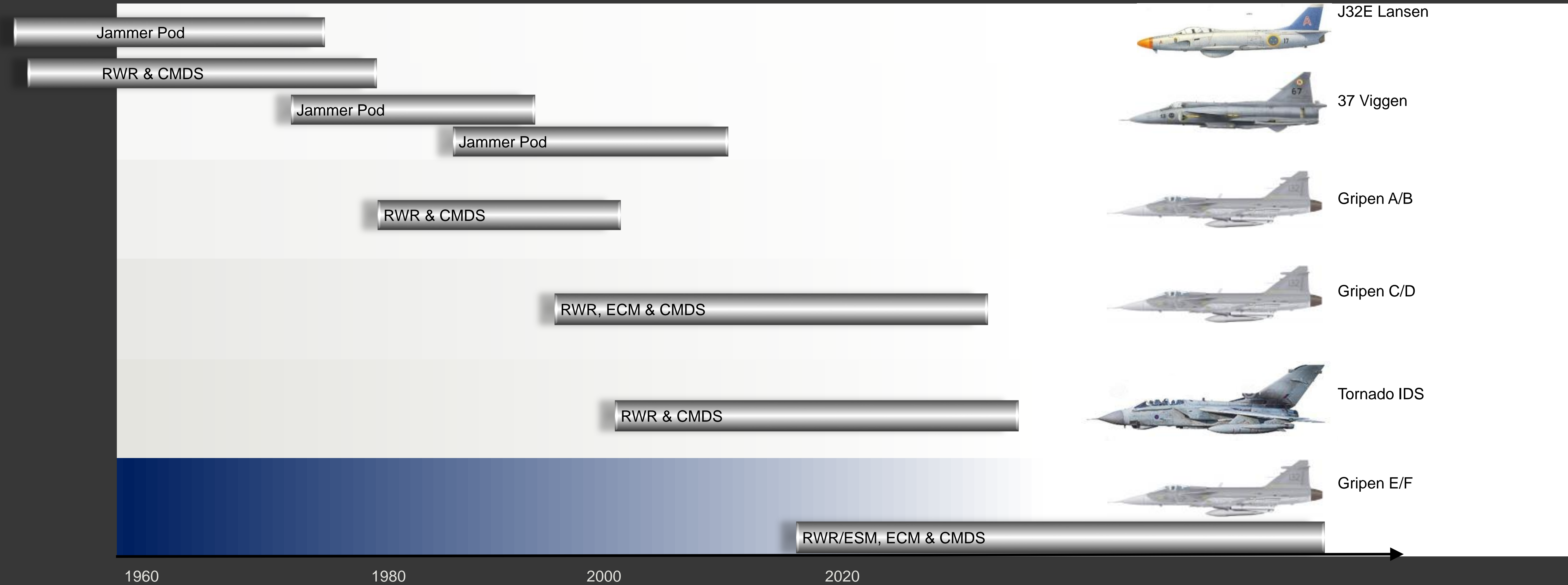
- Listen, Detect, Identify, Deter, Defend, Defeat
- Radar and missile approach warning for self protection
- Electronic Support Measure for tactical support
- Electronic countermeasures
- Countermeasure dispensing



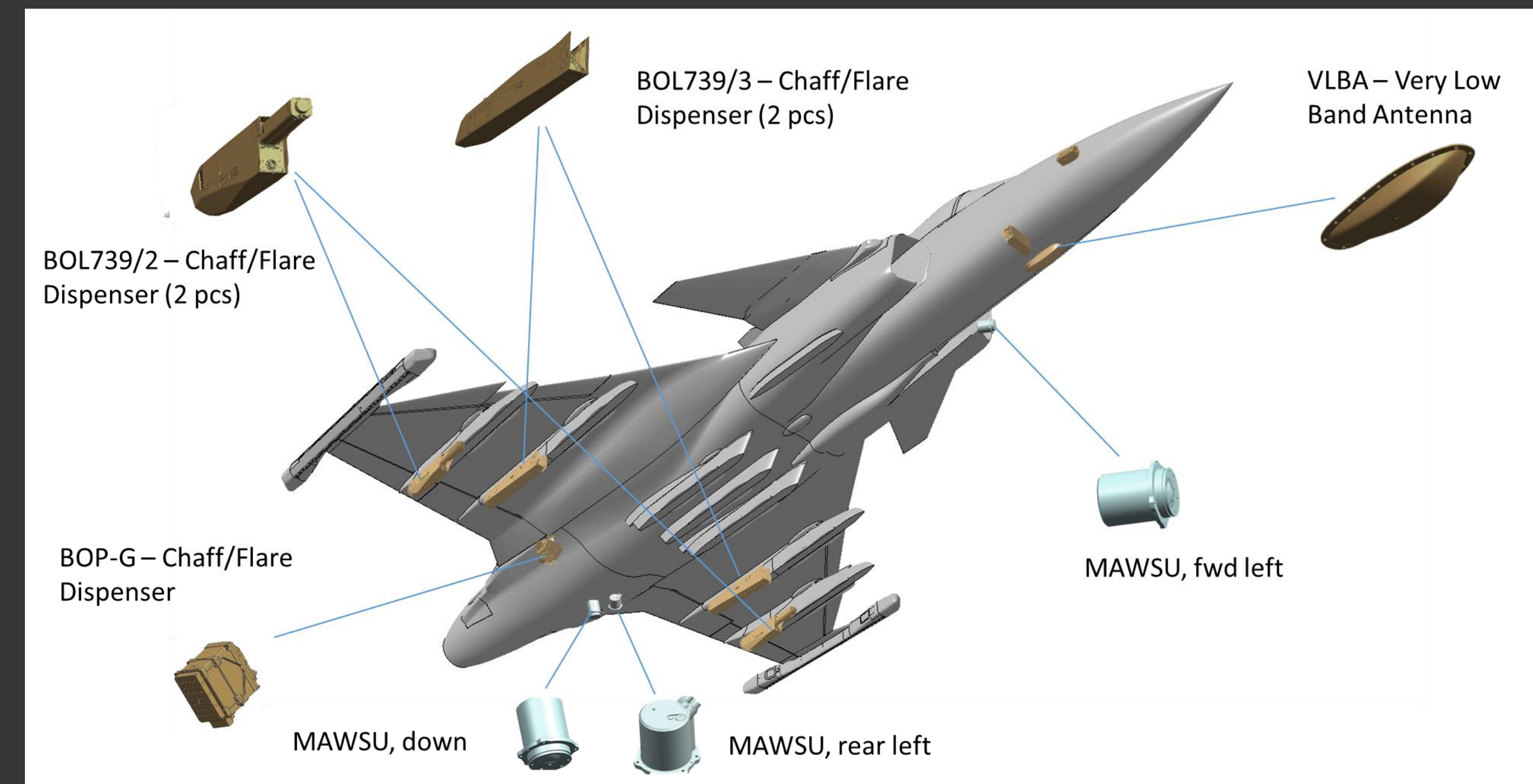
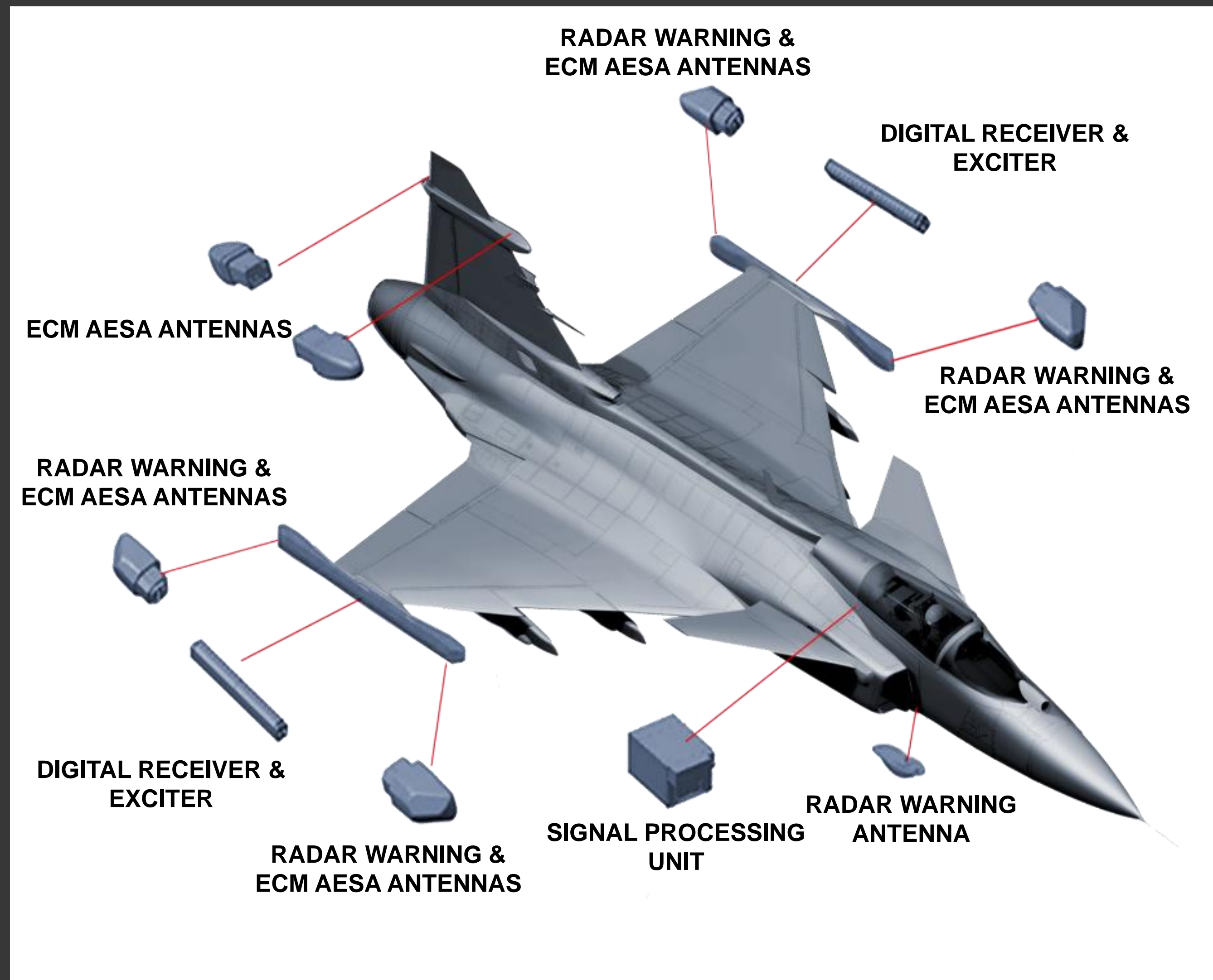


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Fighter EW experience



EW on Gripen E





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Thank you!

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