



SENSOR SYSTEMS AS A FORCE MULTIPLIER

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Linköping, Sweden, August 25, 2016

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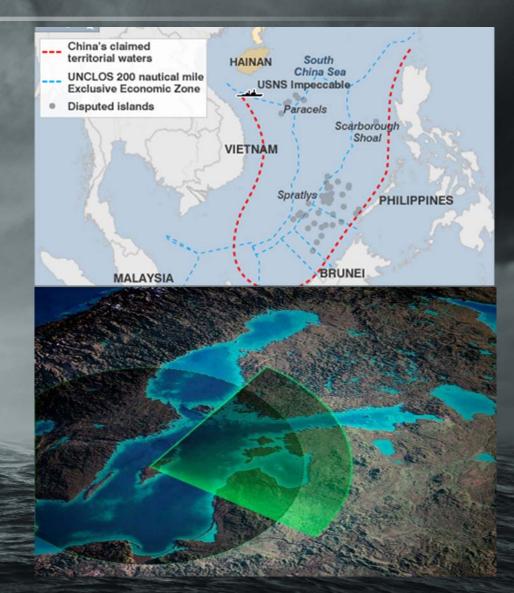


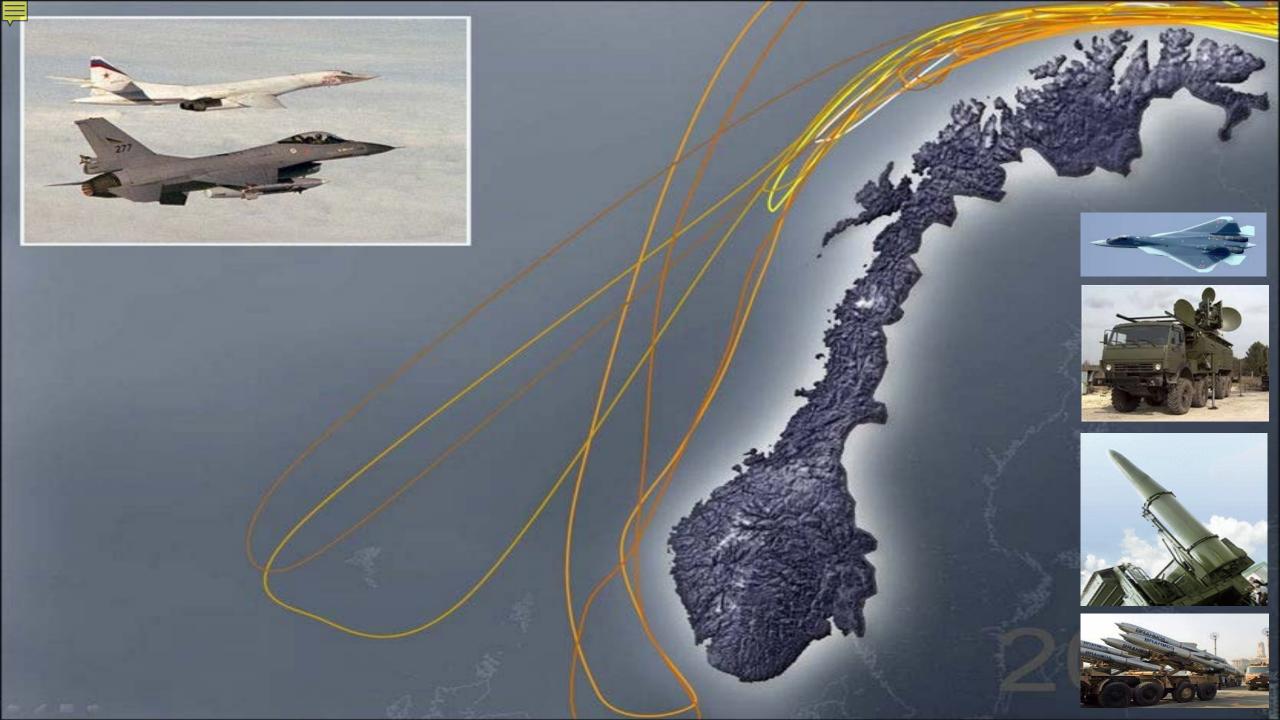


Securing army, navy, air force operations

NEW TYPES OF CONFLICTS AND THREATS

- The threats of today are located in all domains.
- Territorial protection and protecting economic zones.
- Asymmetric conflicts and actions.
- Threats continuously evolve, targets more difficult to detect (smaller, faster or slower and more lethal).
- New advanced threats in the areas of jamming and cyber.





RECLAIMING THE DISTANCE

Yesterday's targets gave you time to react.





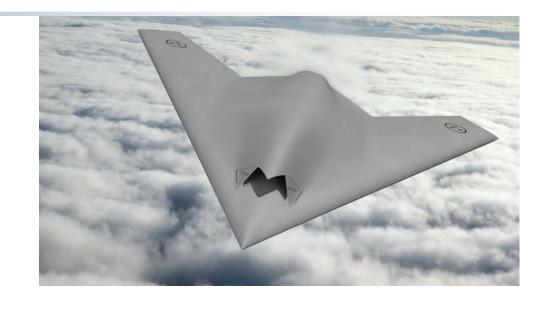




Target detection

RECLAIMING THE DISTANCE

- Yesterday's targets gave you time to react.
- Today's less visible targets do not





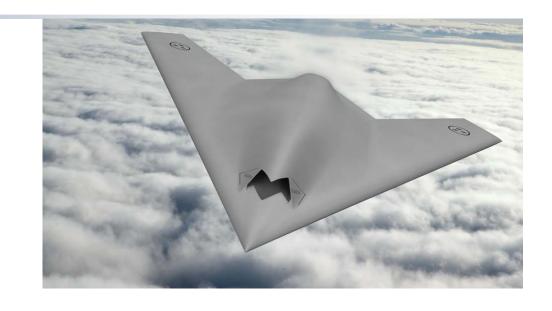


Target distance

Target detection

RECLAIMING THE DISTANCE

• By using new and more powerful sensor technology you can reclaim the detection range and time to react also in jammed situations.









Target distance

Target detection





MULTI-FUNCTIONAL CAPABILITIES

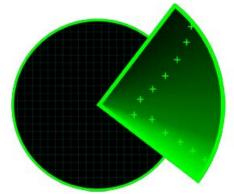
VOLUME SEARCH ROTATING





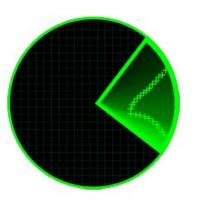
VOLUME SEARCH NON-ROTATING





HORIZONTAL SEARCH NON-ROTATING

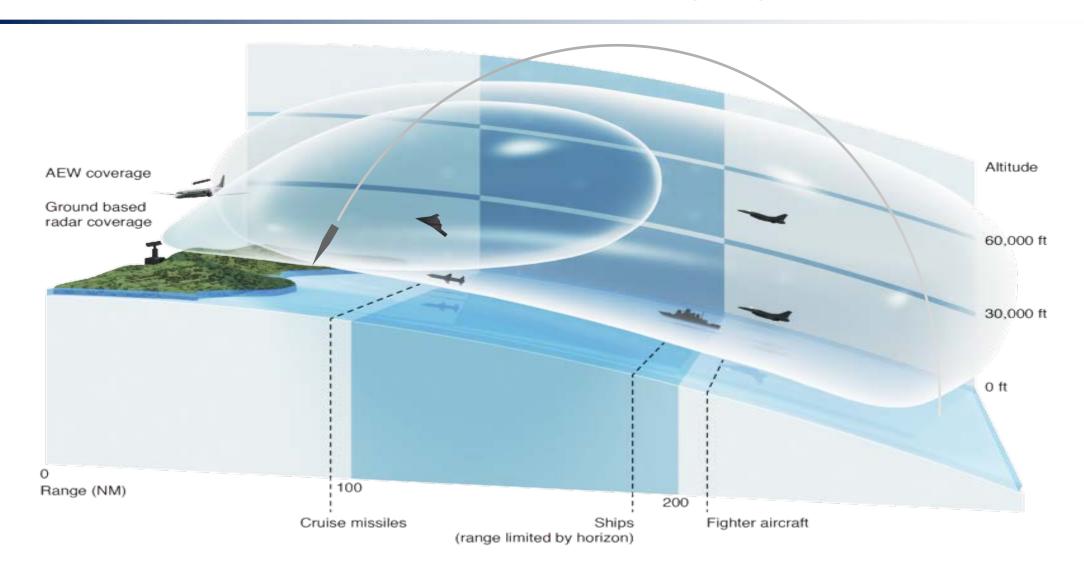








THE CURVATURE AND RADAR DETECTION

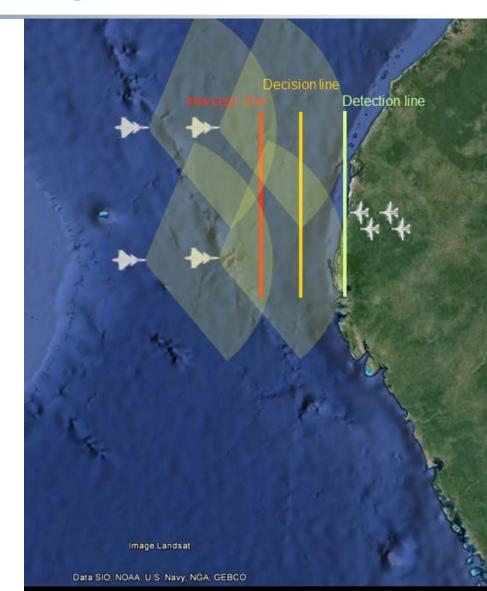






AIRBORNE WIDE AREA SURVEILLANCE

- Fighters on CAP (combat air patrol) wears down the fleet
 - requires a huge fleet
 - limited surveillance capacity
 - puts high stress on supply chain
 - wears down the combat fleet in a relative short time.



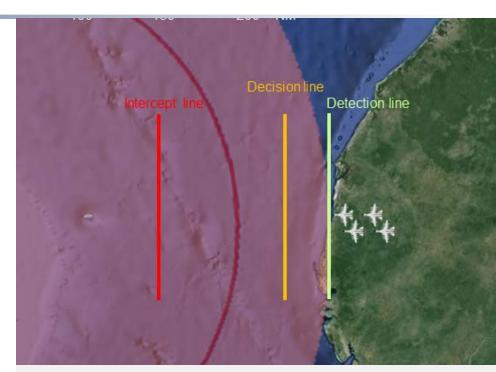


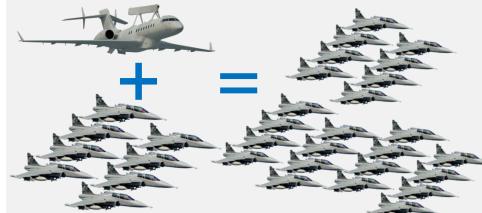


AIRBORNE WIDE AREA SURVEILLANCE

- Fighters on CAP wears down the fleet
 - requires a huge fleet
 - limited Surveillance capacity
 - puts high stress on supply chain
 - wears down the combat fleet in a few weeks.

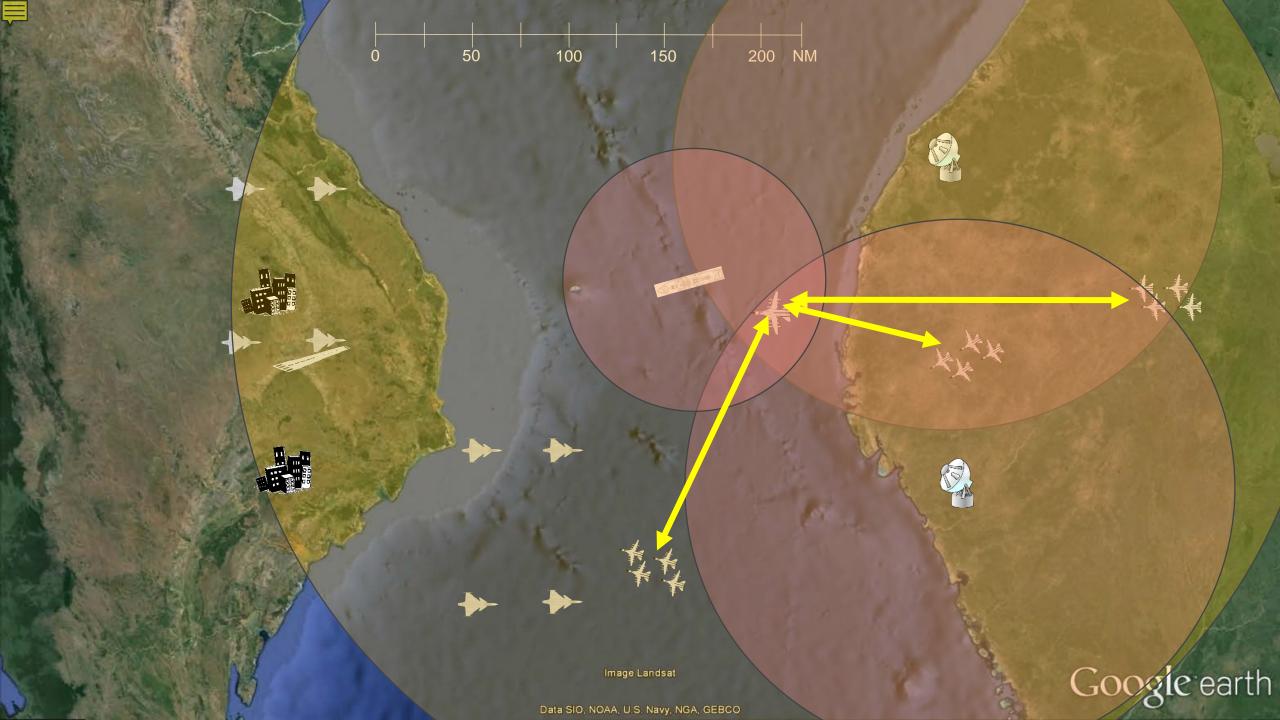
- With an AEW&C fighters are ready when needed
 - 24/7 coverage is achieved with a small fleet
 - provides complete surveillance
 - keeps fighters on base fully ready.

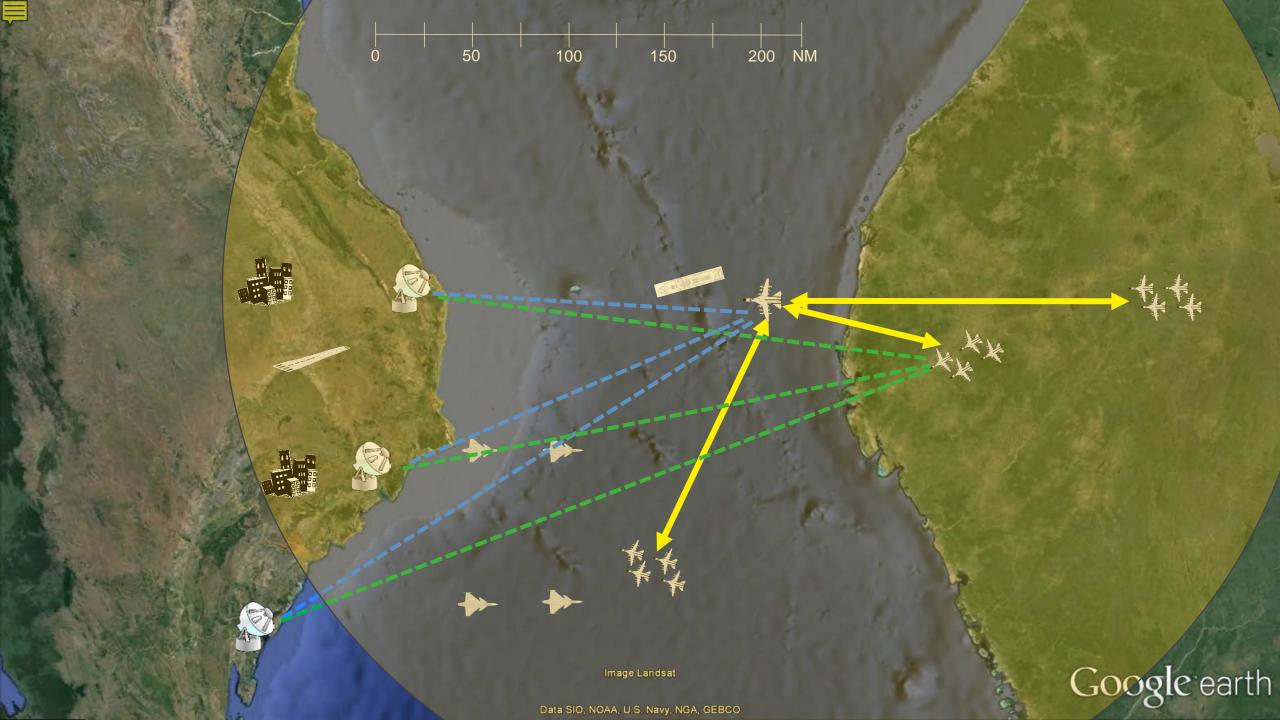


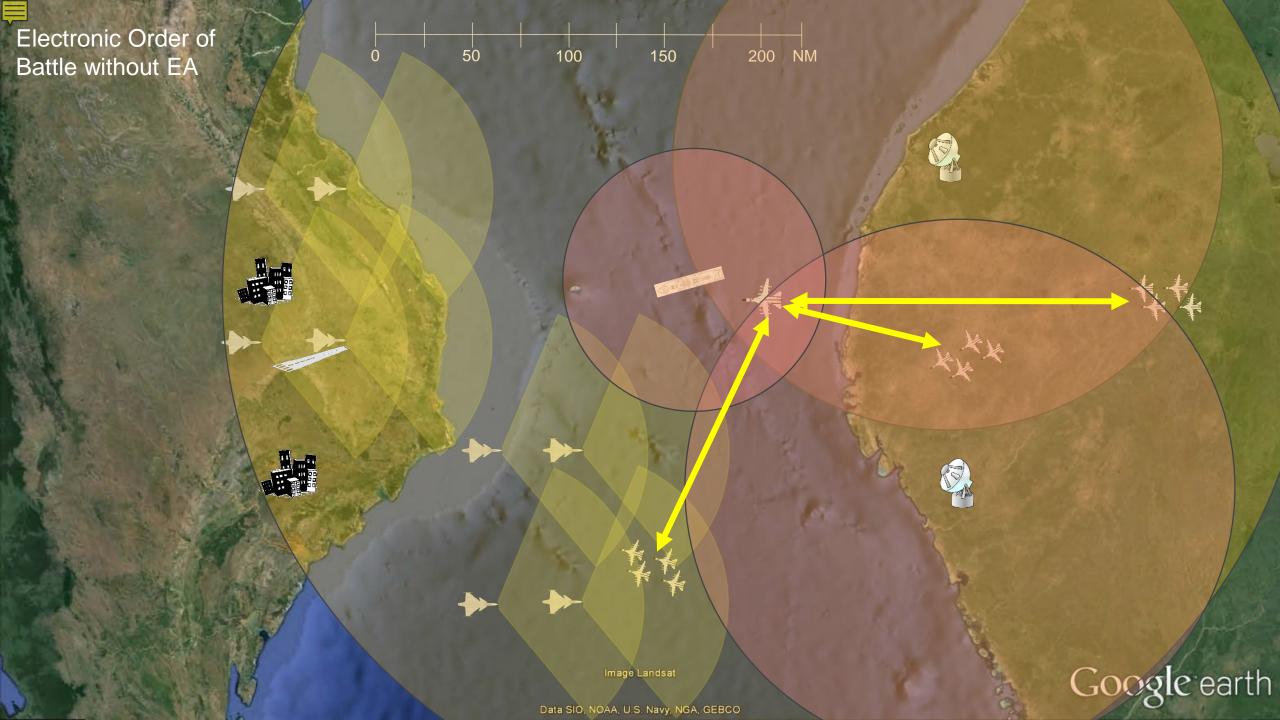


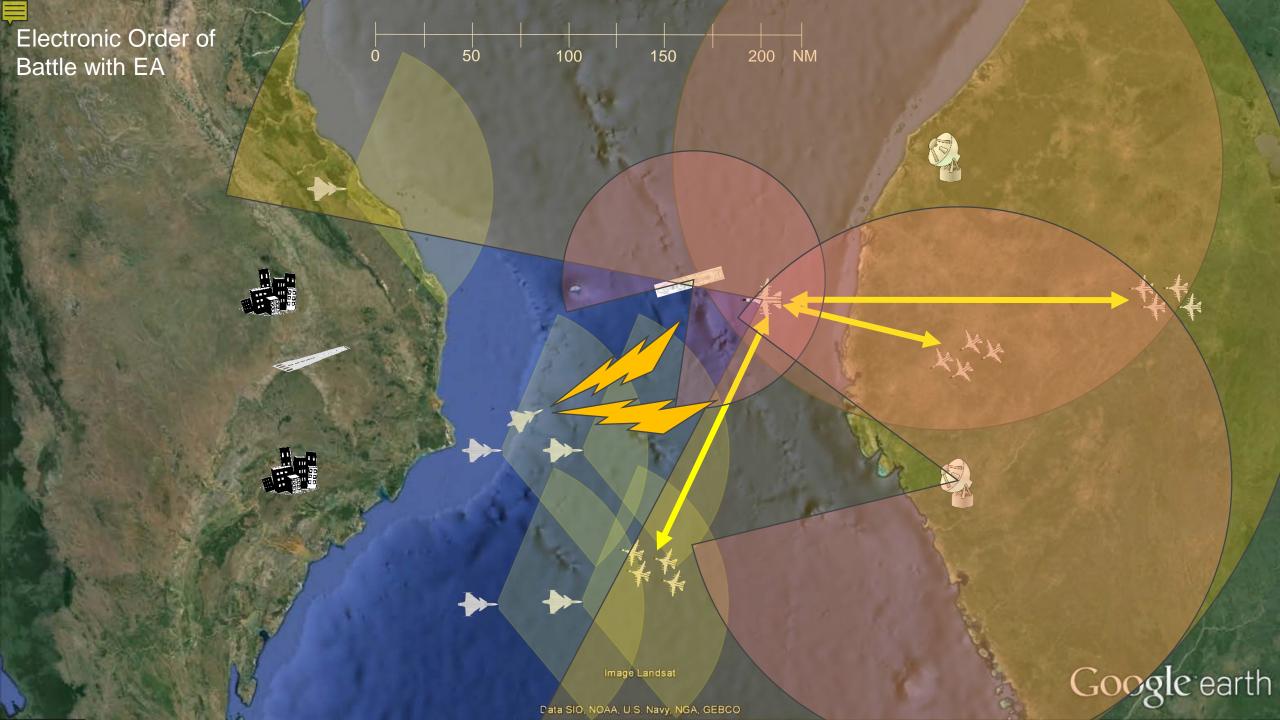


- New smart thinking: Swing-role air, maritime and land domain
- New radar system:
 Erieye ER
- New aircraft: Bombardier Global 6000













ELECTRONIC ATTACK JAMMER POD

- Electronic Attack capability supplementary to the onboard EW.
- Wide frequency coverage
 - against airborne as well as groundor ship based surveillance and acquisition radars.
- Technology re-use from Gripen E development.





SENSOR SYSTEMS AS FORCE MULTIPLIERS CONCLUSIONS

- Sensor capability through new sensor technologies to cope with stealth, small, fast and slow targets in a jammed environment.
- Multi-function capabilities in all the assets.
- Combined active and passive sensors.
- Surveillance platforms in all domains increase effectiveness of offensive assets.
- Availability of sensor information through common C4I solutions.
- Mobility of sensor systems.







THANK YOU FOR LISTENING!

