

# EuroHawk GmbH



## The Euro Hawk Program

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### A Transatlantic Cooperation

Neset Tükenmez / EuroHawk GmbH

ODC Industry Day, Berlin, 19. April 2011

EuroHawk GmbH

# Agenda



- Euro Hawk Program Background
- The Euro Hawk Formula
- The EuroHawk GmbH
- Euro Hawk Program Status



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# Euro Hawk Program Background



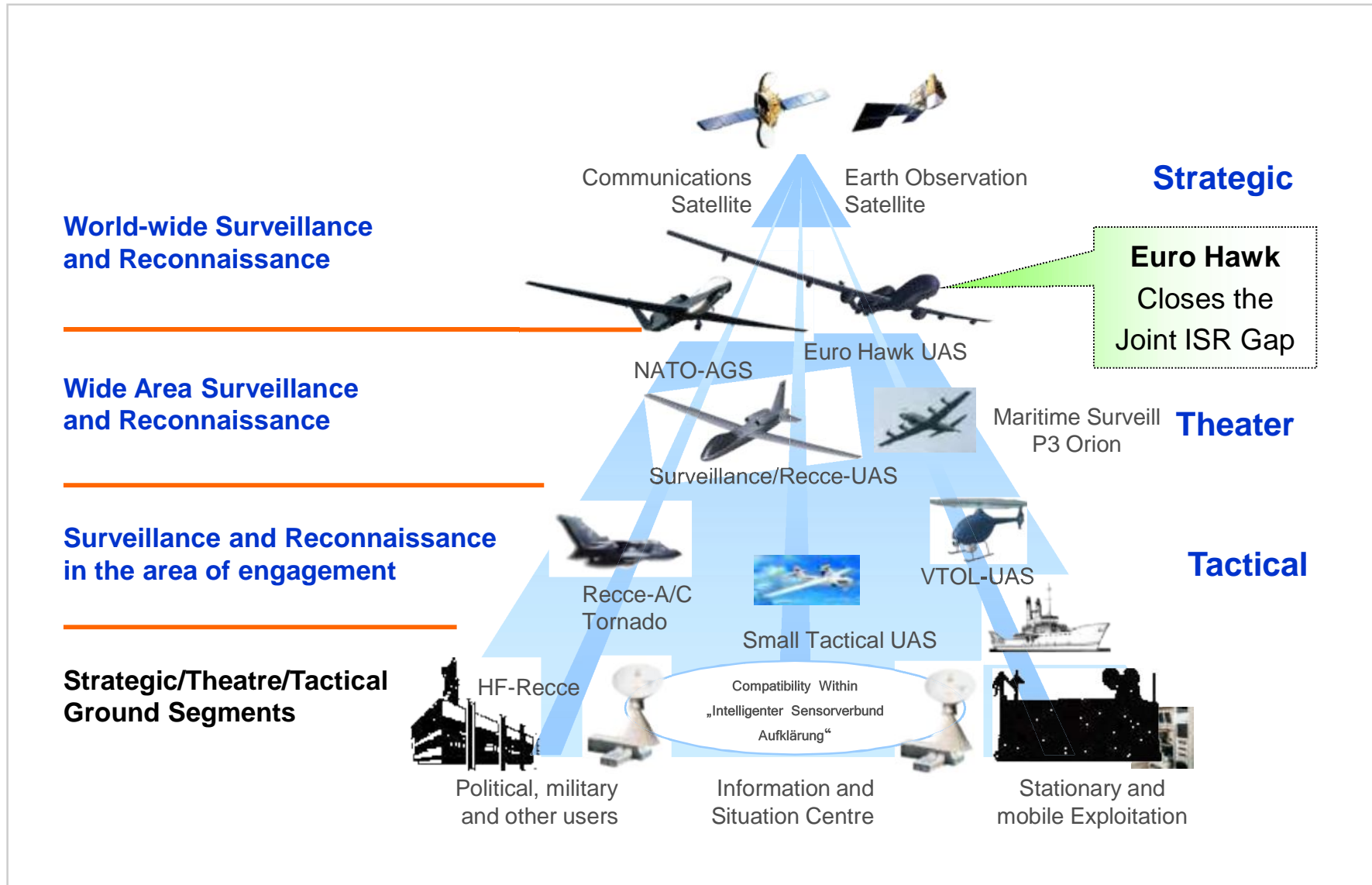
- Phase-Out of Weapon System BR1150 SIGINT Mission Aircraft
- Provide High Altitude Long Endurance Wide Area Surveillance / Reconnaissance SIGINT Capability
- Experiences From NATO Engagement In Kosovo And Other Deployments – More National Independency



- New Requirements
  - Wide Area Stand Off Surveillance Capabilities
  - Off-the-Shelf Global Hawk Platform
  - Near Real Time Capabilities
  - National Access To Raw Data & Source Code



# Euro Hawk As A German System Of Joint ISR



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# The Euro Hawk Formula



Modified Block 20  
RQ-4B Global Hawk

+



German Developed  
SIGINT Mission System  
ISIS

=



RQ-4E Euro Hawk

**Wide Area Surveillance & Reconnaissance With Stand-Off Capabilities**  
Electronic Intelligence (ELINT) - Detection & Evaluation of Radar Emitters  
Communication Intelligence (COMINT) - Communications Emitters

# Euro Hawk Platform

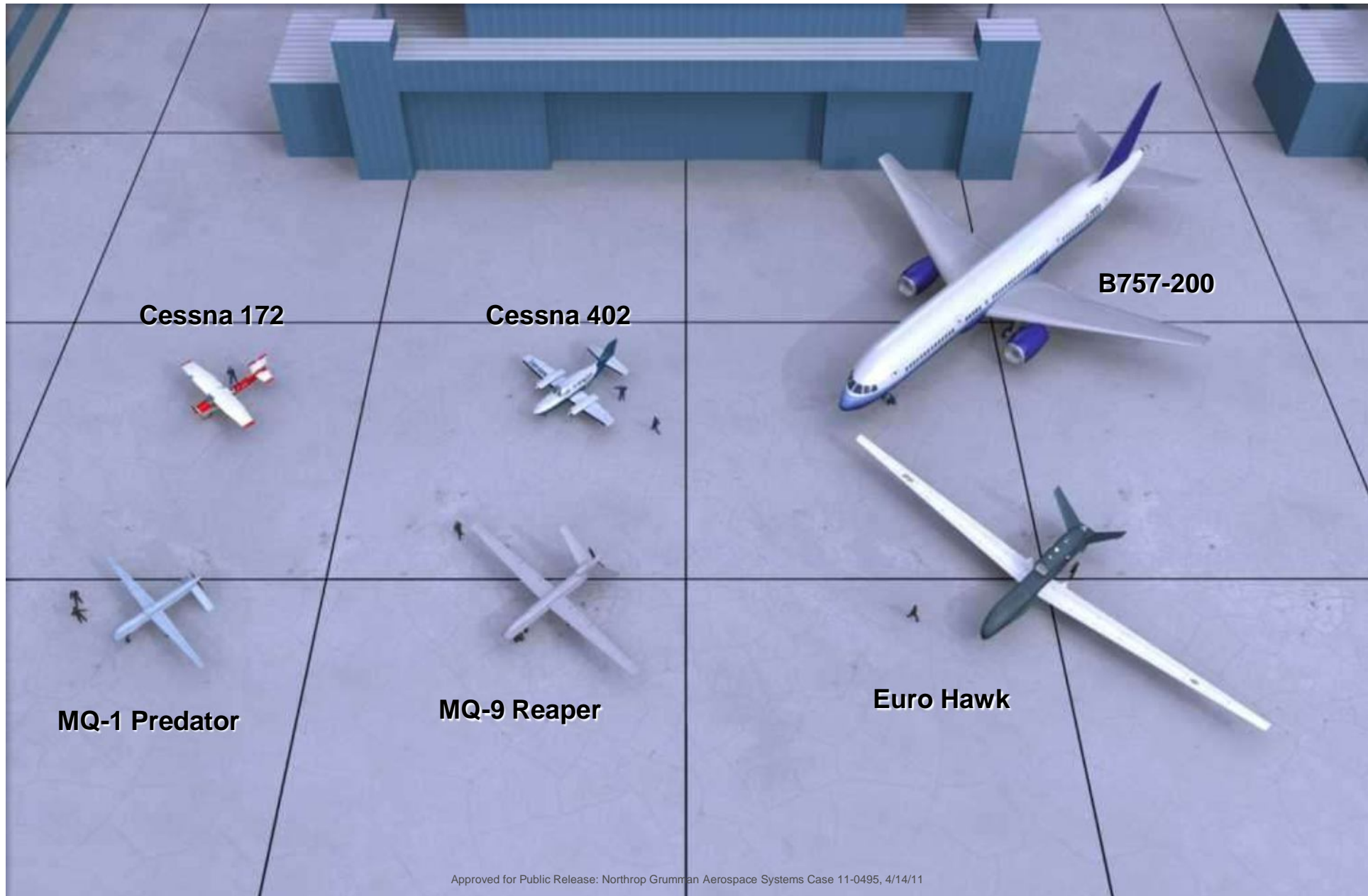


### Euro Hawk

Wingspan	39.9 m
Length	14.5 m
Height	4.6 m
Gross Takeoff Weight	14,628 kg
Payload Capability	1,360 kg
Maximum Altitude	18.3 km
Maximum Endurance	30.5 hrs



# Euro Hawk Vehicle Size



**Cessna 172**

**Cessna 402**

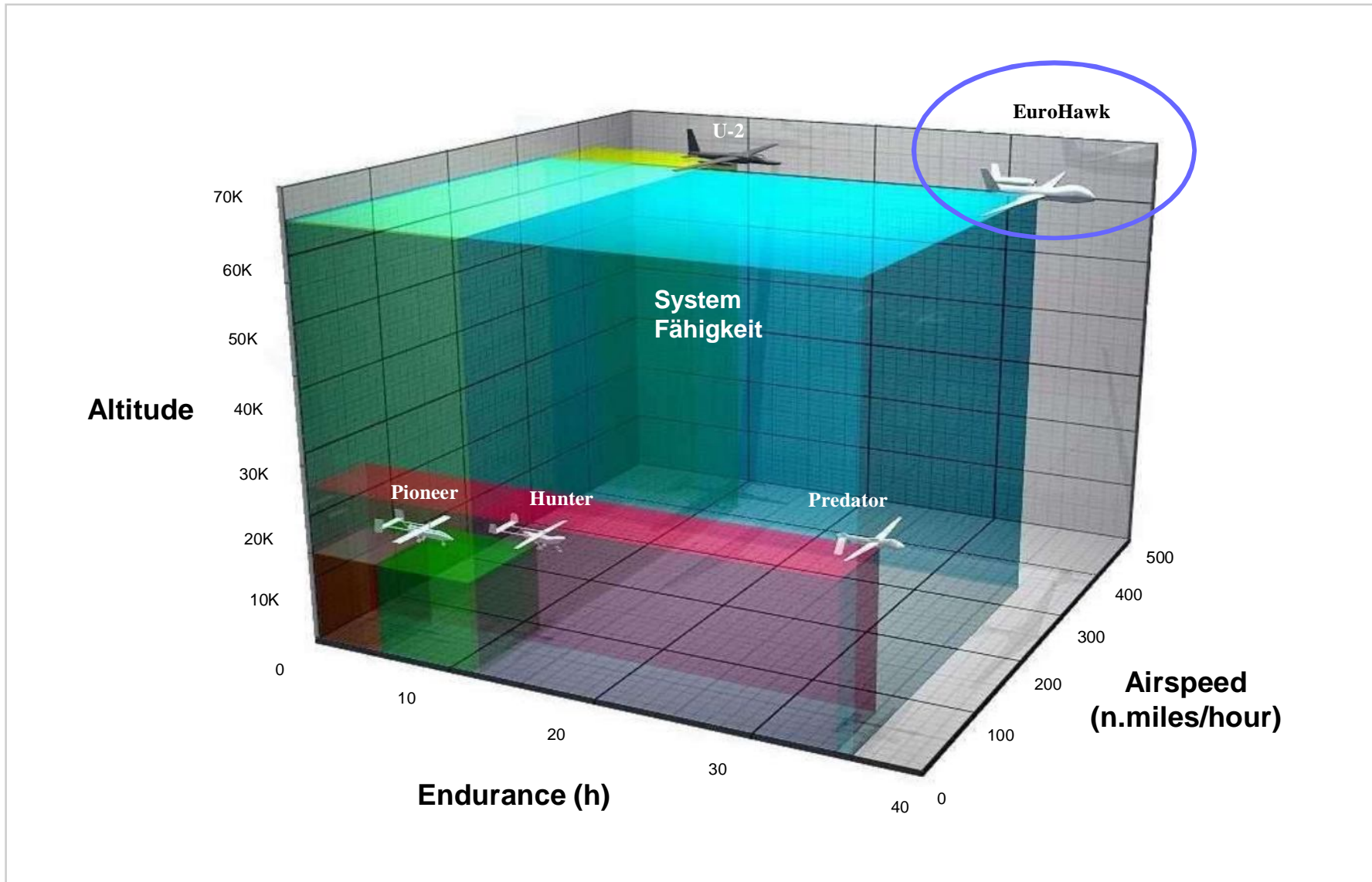
**B757-200**

**MQ-1 Predator**

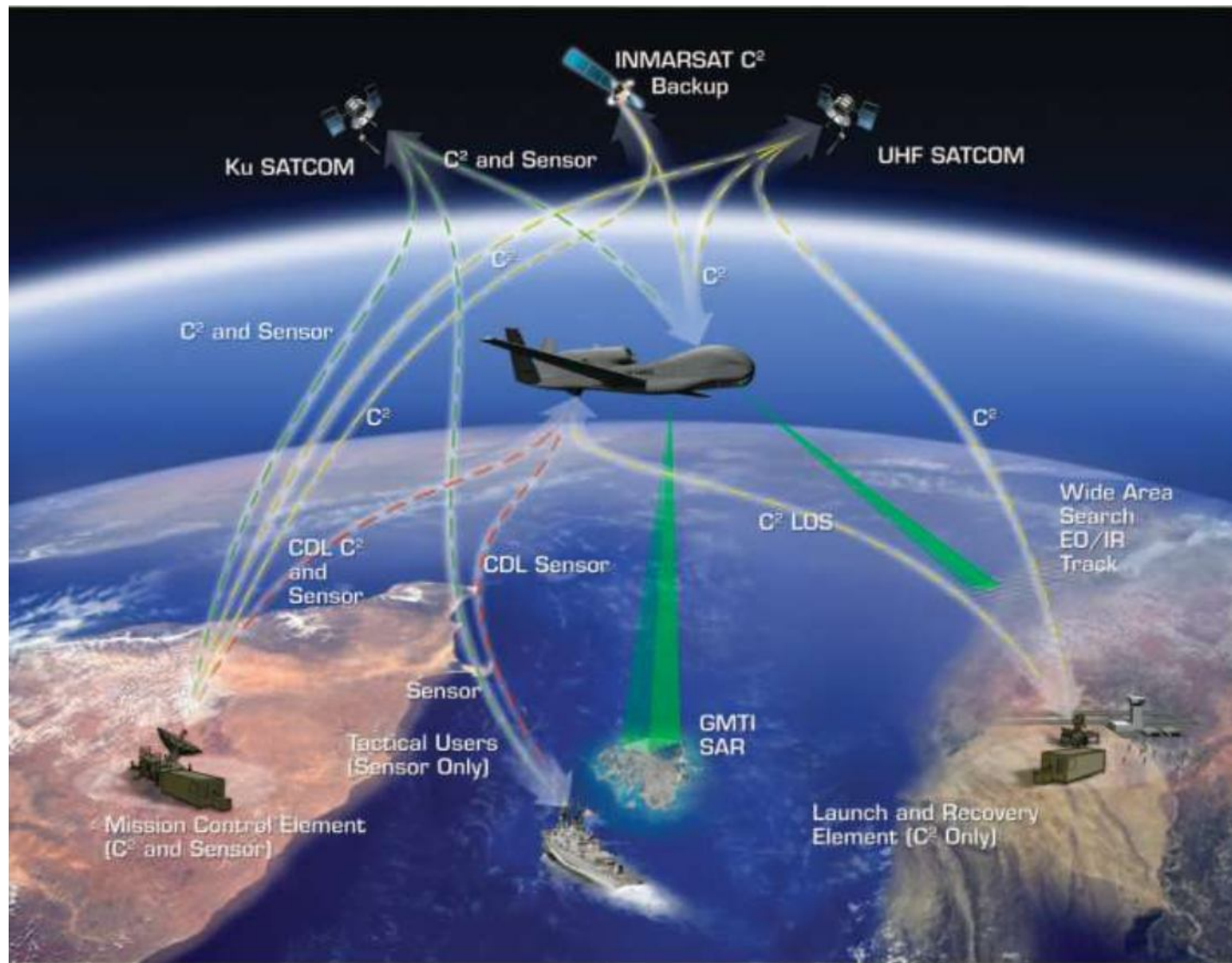
**MQ-9 Reaper**

**Euro Hawk**

# Trade-Off - System Capabilities



# Communication Links



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# Foundation of EuroHawk GmbH



- Foundation Of An **EADS** & **NORTHROP GRUMMAN**

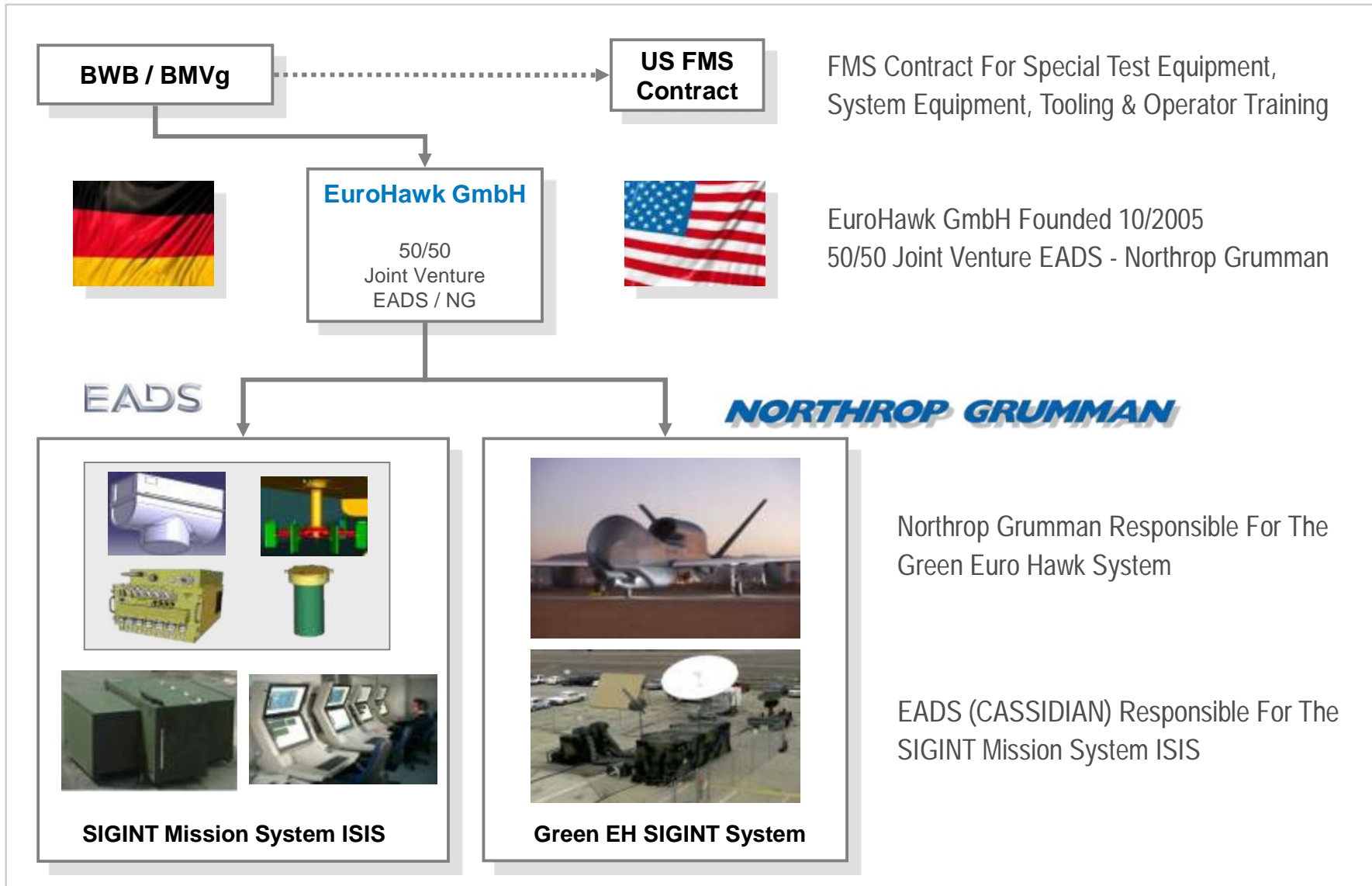
Joint Company => **EuroHawk GmbH**



- EuroHawk GmbH Registered in November 2005
- Located in Immenstaad / Germany
- Prime Contractor & Point Of Contact For The German Customer



# Euro Hawk Programm Struktur



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# Euro Hawk Program Status

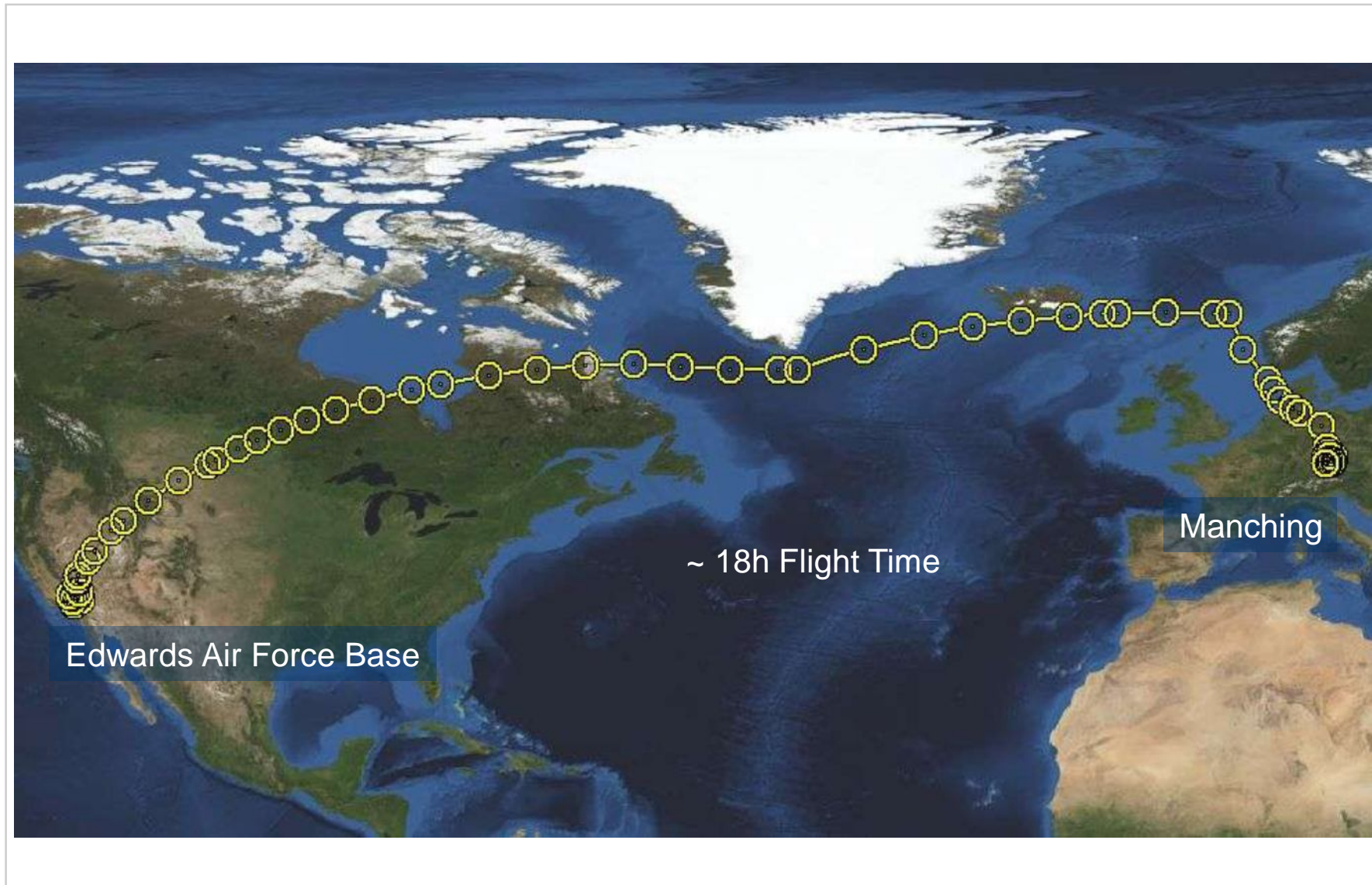


- ✓ Air Vehicle Production Complete
- ✓ Roll-Out Ceremony in October 2009 in Palmdale
- ✓ Maxi-Taxi Tests in April 2010 Successfully Completed
- ✓ Take-Off Abort Test in May 2010 Successfully Completed
- ✓ Preliminary Type Certificate (PTC) in June 2010 Received
- ✓ Flight Clearance For US Air Space in June 2010 Received
- ✓ First Flight on June 29, 2010 Successfully Completed
- Flight Test in Edwards Air Force Base in Final Loop
- Next Step: Ferry Flight To Germany in 2011

<b><u>As of Today:</u></b>	
▪ Total Flights:	10
▪ Total FHRS:	97
▪ Max. Altitude:	60.179 ft (18.343 m)
▪ Max. Endurance:	30.3 h



# Euro Hawk Ferry Flight Routing To Germany



# Operational Setup



**Schleswig / Jagel**  
Main Operating Base

**Nienburg**  
SIGINT Ground Operation

**Manching**  
Integration & Flight Test Base

**Immenstaad**  
ISIS Development



# Euro Hawk Direct Commercial Contracts



- ✓ 2007 Contract Award RRP  
Risk Reduction Phase – 1 Full Scale Demonstrator
- ✓ 2009 Contract Award CLS Part 1  
Logistics Support – LLI's
- ✓ 2010 Contract Award Euro Hawk Training
- 2011 Contract Award CLS Part 2  
Logistics Support – Onsite Support
- 2012 Contract Award IP (Introduction Phase)  
Additional 4 SIGINT Systems



*The Euro Hawk Program*  

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*An Excellent Example For A Transatlantic Cooperation*



**....Thank You For Your Attention**

Neset Tükenmez / EuroHawk GmbH

