

**Our partners**



# Honeywell

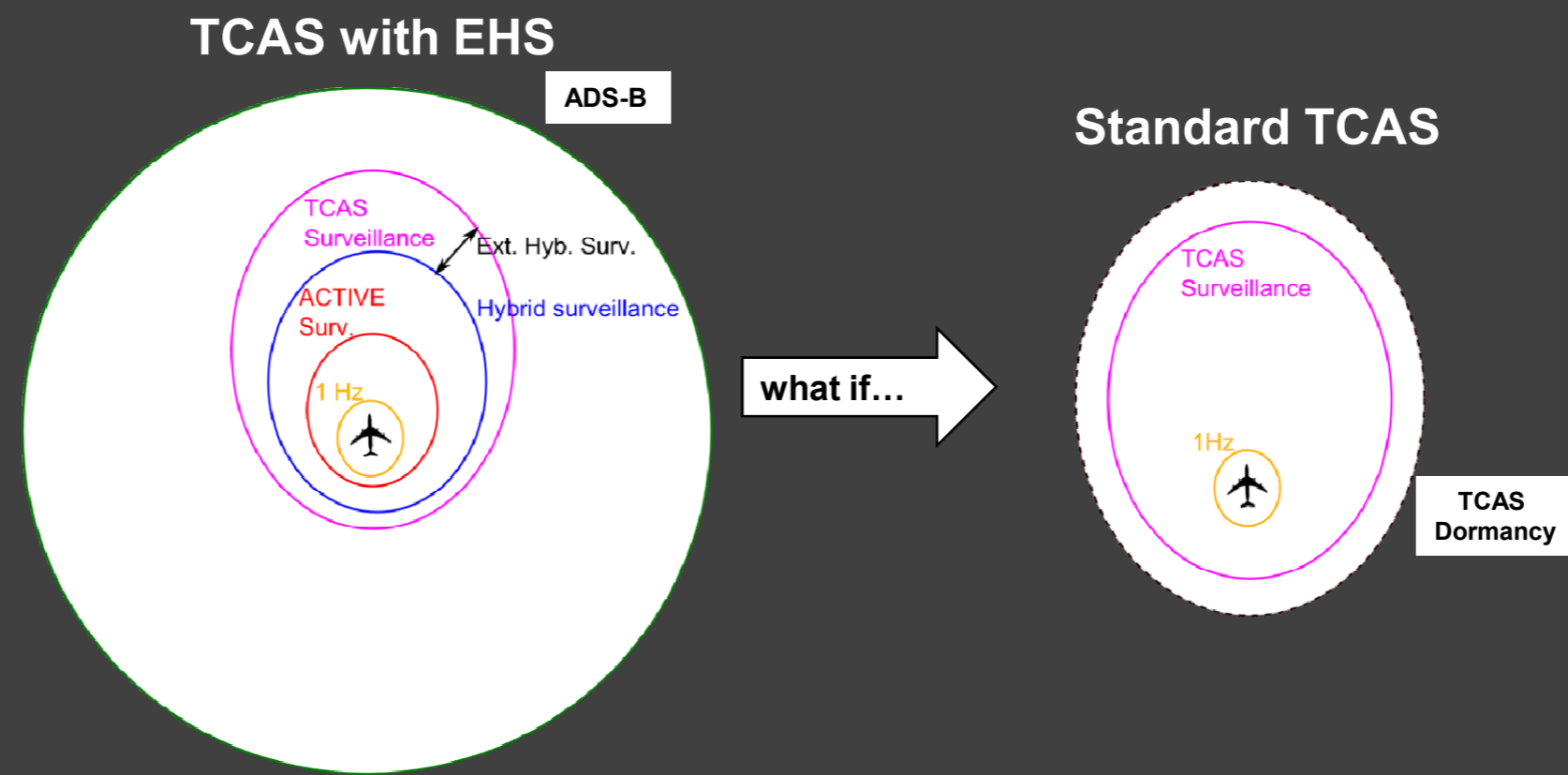
**Our team**

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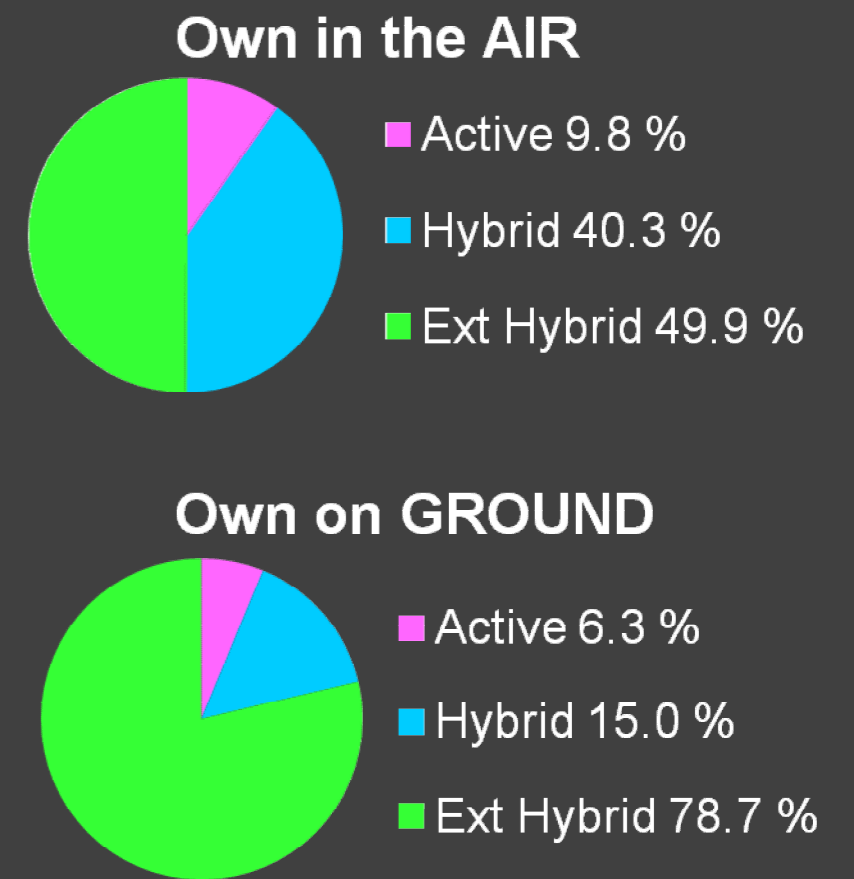


## TCAS II – Extended Hybrid Surveillance

TPA100 prototype based on RTCA DO-300A / EUROCAE ED-221



Flight test interrogations



Benefits estimated so far are as high as **71% of saved interrogations**

**First flight tests worldwide in 2014!**

### TRL Targets

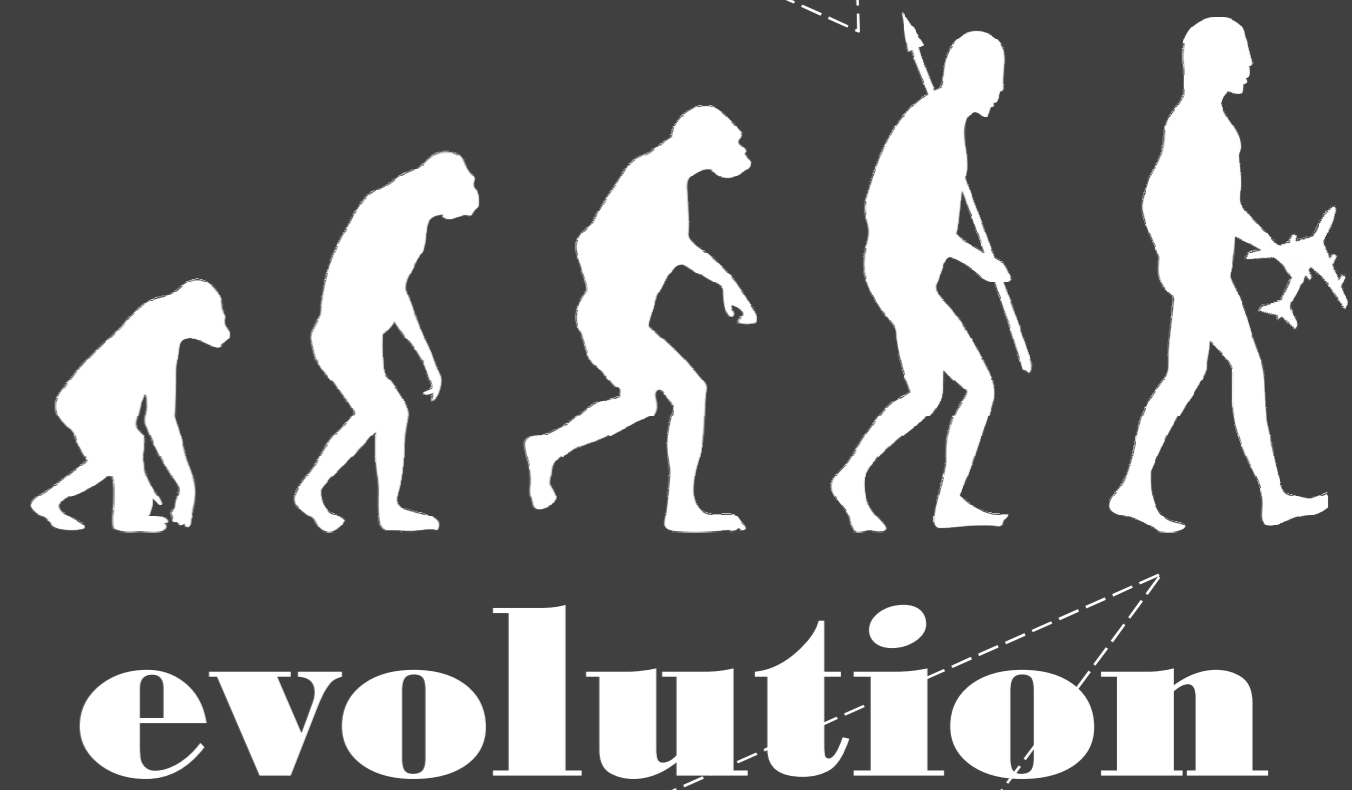
TCAS II with Extended Hybrid Surveillance:  
TRL 6 by 2015

ACAS Xa: TRL5 by 2016

2012 – 2016

# TCAS

Traffic alert and Collision Avoidance System



SESAR®  
**9.47**

Version 7.1 mandate

### What is TCAS?



A last resort tool designed to prevent mid-air collisions between aircraft

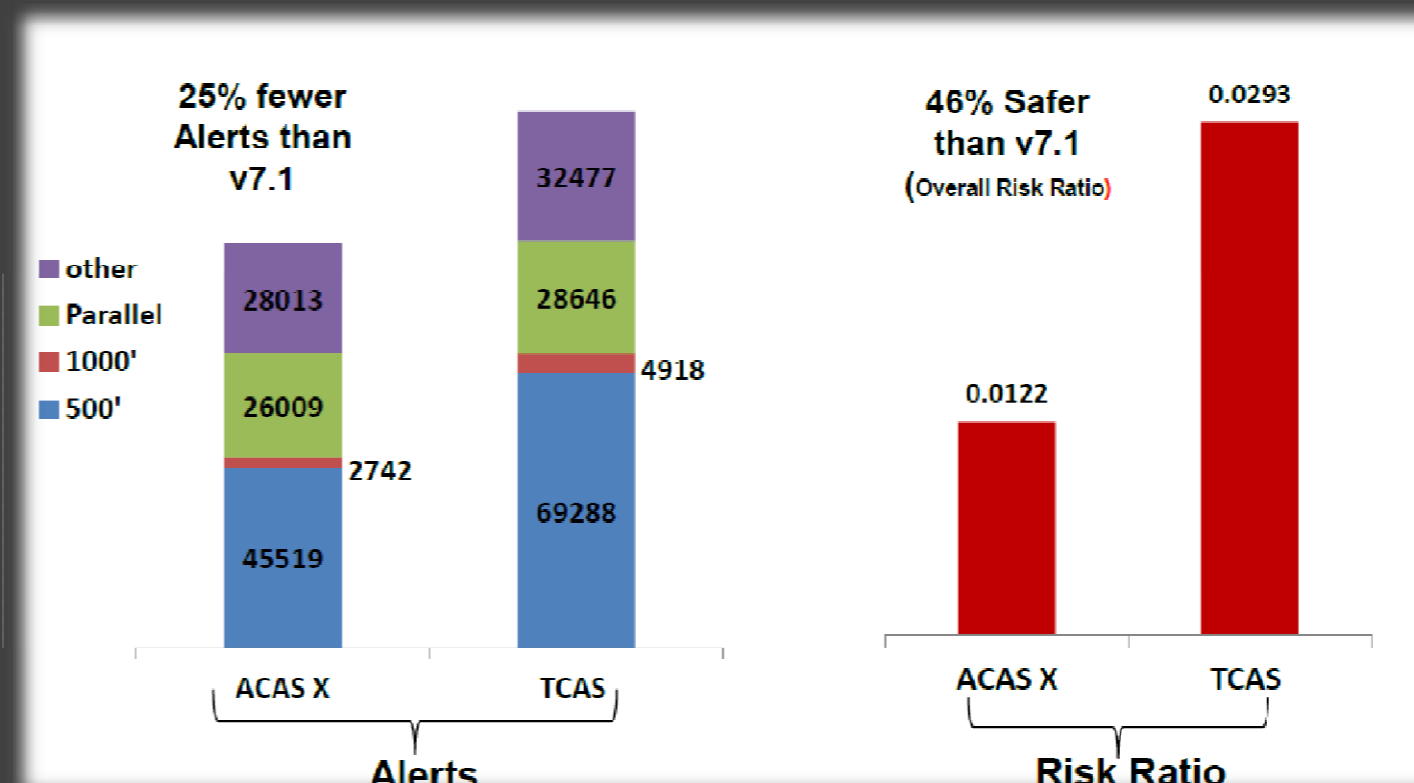
Mandatory for MTOM > 5700kg or more than 19pax

TRAFFIC ADVISORIES

RESOLUTION ADVISORIES

### ACAS X – Next generation ACAS development

- Cooperation of SESAR and FAA
- Different logic and architecture
- Interoperable with TCAS II
- Adaptable system allowing different sensor configurations
- Easier and faster upgradability of the system
- Simpler certification
- New classes of users (GA, RPAS)



**Flight test scheduled for this year!**