

# ARTEMIS Industry Association

*(ARTEMIS-IA)*



## ECSEL-JU on behalf of ARTEMIS-IA

12 February 2015





# ARTEMIS Industry Association

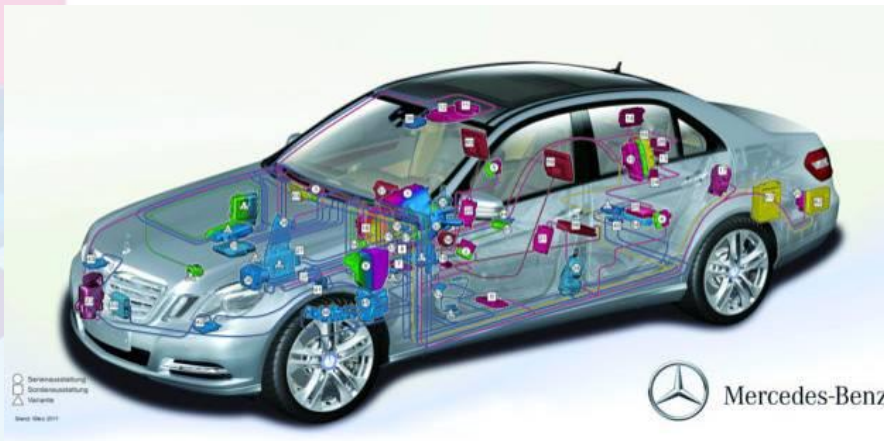
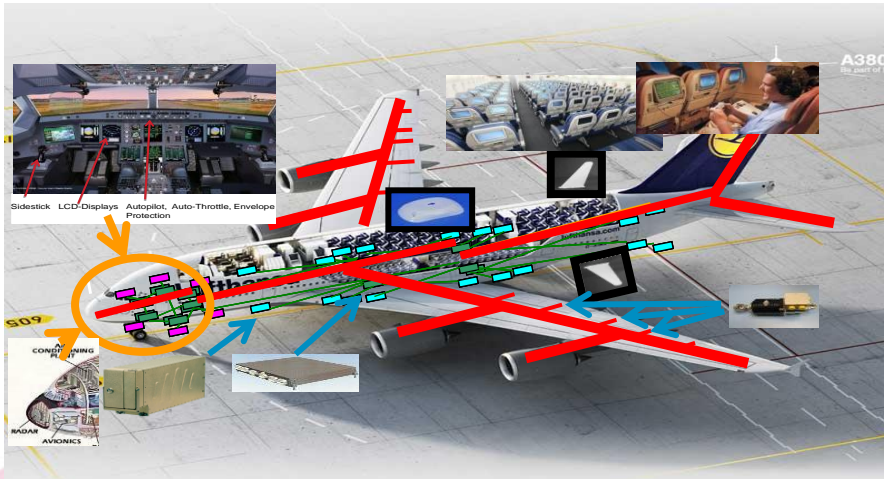
## Mission

Promote R&D&I in the field of **Embedded & Cyber-Physical Systems** in order to strengthen the competitiveness of industry in Europe.

## Objectives

- A. To be the **European Technology Platform (ETP)** on Embedded & Cyber-Physical Systems
- B. To be one of the **private partners of ECSEL** Joint Undertaking

# Embedded & Cyber-Physical Systems



Increase of electronic systems, especially as Embedded Systems, is required for

- mastering complexity
- meeting environmental challenges
- competitiveness
- cost efficiency

This impact will even increase !

# ARTEMIS-IA INNOVATION STRATEGY



**To strengthen the application contexts, based upon exploitation of European strengths and opportunities by:**

- Building on the leading positions where Europe is strong, in specific technologies and in various application domains, particularly for the safety critical high reliability real-time applications in the field of automotive, aeronautics, space, and health sectors.
- Creating new opportunities for Europe to be positioned at the forefront of new or emerging markets with high potential growth rates in the following domains:
  - Smart Mobility, Smart Energy, Smart Society
  - Smart Health, Smart Production

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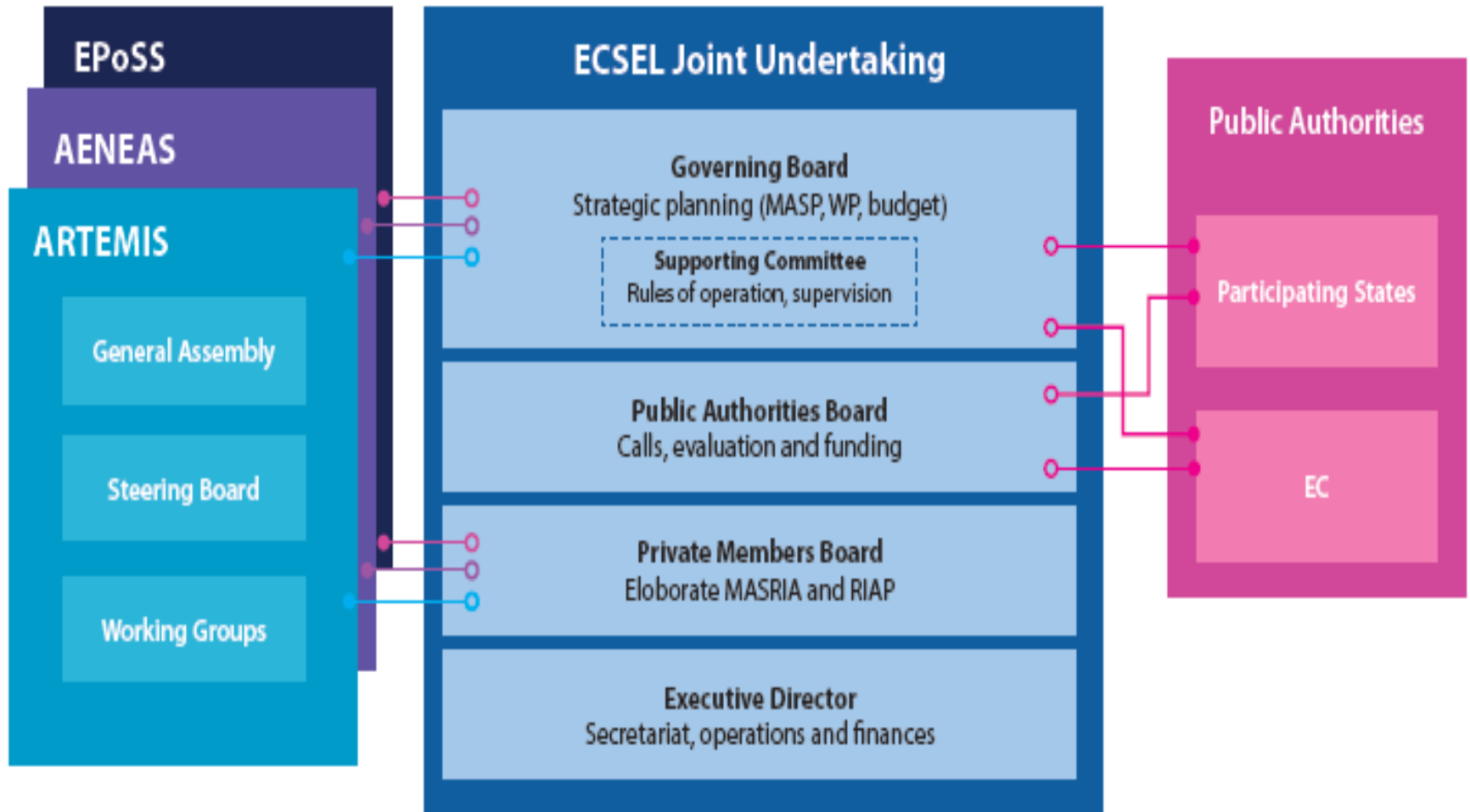


## Main focus points are:

- Build a self-sustaining Innovation Environment for European leadership in Embedded & Cyber-Physical Systems.
- Full development of the innovation potential of SMEs in Embedded & Cyber-Physical Systems.
- Address European strategic priorities in addition to the individual interests of companies and countries, upstream and downstream.
- Strengthen European industry and address societal challenges (more info: [High-Level Vision 2030 by ARTEMIS & ITEA](#)).
- Aligning research agendas for Embedded & Cyber-Physical Systems.
- ARTEMIS-IA = the ARTEMIS European Technology Platform (ETP)



# ARTEMIS-IA -ECSEL Joint Undertaking





# ARTEMIS-IA partner in ECSEL-JU

## ECSEL-JU partners:

- **Combining efforts and strengths of 3 Associations**
  - on Embedded & CPS: ARTEMIS-IA (with former ARTEMIS-JU)
  - on nano-electronics: AENEAS (with former ENIAC-JU)
  - on smart systems: EPoSS
- **ECSEL-JU** (merger of former ARTEMIS-JU & ENIAC-JU)  
Electronic Components and Systems for European Leadership will enable further defragmentation of R&D efforts
- **Common Strategic Paper:**  
Written by the 3 Associations, a combined Strategic Research & Innovation Agenda (**SRIA**) for the ECSEL-JU strategy
- **ECSEL - Multi Annual Strategic Agenda (MASRIA)**
  - based on individual roots of the 3 Associations
  - complementary in technologies
  - collaborate on application

# Thank you



## ARTEMIS Industry Association

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