THE ARTEMIS PROGRAMME & SUCCESSES

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ARTEMIS-JU is a Public-Private Partnership funding R&D&I on EMBEDDED COMPUTING SYSTEMS with a 3-PARTITE FUNDING MODEL (EU + Participating Member States + Industry)

‘Industry’ is represented by the ARTEMIS Industry Association – “ARTEMIS-IA”
Increase of electronic systems, especially as Embedded Systems, is required for:

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

This impact will even increase!
INNOVATION: HOW?
INNOVATION = achieve critical mass through “Self Sustaining Innovation Ecosystems”
“ARTEMIS is more than a funding programme ...”

- PROJECTS
- CLUSTERS
- Innovation Pilots (“AIPP”)
- Centres of Innovation Excellence and
  “SELF-SUSTAINING INNOVATION ECOSYSTEMS”

FUNDED by ARTEMIS-JU
MANAGED by ARTEMIS-IA
Major Achievements: What has ARTEMIS built?

1. The largest programme ever focused on Safety Critical Systems
2. The largest programme ever, focused on Multi-core Technology: Low power, high performance
3. ARTEMIS has created the AIPPs: the largest Pilot Projects on Embedded Systems, addressing key societal challenges
The ARTEMIS Portfolio Analysis

Available at www.artemis-ju.eu

Core of the “ARTEMIS Book of Successes”
What Next?
Step up to CPS!

- Nano-scale semiconductors (a KET)
- Smart systems of sensors/actuators
- Embedded Computing and Control
- Mastering “Cyber-Physical Systems”
- MASTERING the ELECTRONICS COMPONENTS and SYSTEMS VALUE CHAIN
- ECSEL Joint Undertaking
WHY?
WHY ???

• ICTs drive INNOVATION

• INNOVATION leads to COMPETITIVE INDUSTRIES

• COMPETITIVE INDUSTRIES lead to JOBS
Europe must assure strategic independence in this vitaly important technology domain.
THANK YOU