



ACCELERATING EUROPEAN CPS SOLUTIONS TO MARKET

www.fed4sae.eu

We are an EC-funded project that aims to help European Start-ups, SMEs and Mid-caps to develop innovative smart solutions from any sector to market and scale.

We offer a one-stop-shop to accelerate CPS development, funded by the European Commission.

Apply to our program!

Accelerating European CPS solutions to market from 2018-2020

We bring together ten countries, eight R&D centers, five industrial partners, and one SME to offer six cyber-physical and embedded systems platforms, advanced platform technologies and testbeds, innovation management support and expertise in smart cities, smart energy, smart health, smart manufacturing, smart mobility and smart transportation as part of the Smart Anything Everywhere Initiative.

We provide:

- Access to leading edge cyber-physical systems (CPS) and embedded systems platforms, Advanced Technologies and Testbeds from Industrials and R&D centers
- Technical coaching from domain experts
- Innovation Management support
- Up to €60k in initial financial support, plus access to further VC funding
- Access to potential users and suppliers across value chains throughout Europe

We support two experiments in our Open Calls:

- Software intensive projects using existing programming platforms to develop software prototype demonstrators
- System integration projects using existing software and hardware components to develop integrated system prototype demonstrators

What we offer

INDUSTRIAL PLATFORMS



Neural Compute Stick

Movidius Neural Stick delivers low power Computer Vision at the Edge

Compute Card

Compute Card is a full 64 bit computer platform the size of a credit card



STM32 Boards

STM32 based boards with low power 32-bit MCU for small projects to entire platforms

ST WeSu Wearable

WESU the latest motion sensing tech E4:F10 wearable or portable applications with iNEMO SIP sensors



IODP

Integrated and Open Development Platform for Automotive powertrain development

THALES

TIME4SYS

Timing Framework - System Modelling Framework for real-time embedded applications.

ADVANCED PLATFORMS



Silicon Impulse

The one-stop-shop for ultra-low power expertise in integrated circuit design

LINC

IoT Device Management Middleware

Sigma Fusion

Automotive Sensor Fusion platform

Sensinact Middleware

IOT Device Management Platform

PTL

Smart Home, Health and Transportation Test beds



AIDE

Data Management Tools for engineering of Cyber-Physical Systems

RCV

Research Concept Vehicle - An Open Platform for Sustainable Transportation R&D



4Diac

Infrastructure for distributed industrial process measurement and control



Reliability

Harsh environment and systems integration reliability test environment



Localization solver

GPS free localization solver for any LoRa@ / LTE-M / NB-IoT / WiFi / BT Network

SoftMEMs

Stretchable soft membranes that can be integrated on MEMS

Advanced manufacturing /packaging

Advanced manufacturing and packaging for additive manufacturing and microfabrication

Advanced nanotechnology for chemical sensing

Nanotechnology for chemical sensing

WiseMAC

Peer to Peer low power medium access protocol for wireless communication

WiseNET

Ultra Low Power Wireless Sensor Network

Vision in a Package

Vision in a Package / Intelligent Camera

Hyper Vision

Intelligent camera system for Hyper-spectral Imaging

WiseDep

Robust low power wireless for safety-critical applications



Smart City

CPS Massive urban infrastructure in technology and service assessment



π-Fab infrastructure

A continuous silicon CMOS and silicon carbide process line

Corrosive Gases Testbed

Investigation of corrosion effects on single- or complete systems

Gas Sensor Testbed

Gas sensor calibration and correlation measurement

Energy Electronics Testbed

Smart local energy system testbed for industry



LPWAN

Low Power Wide Area Network based CPS solution

INNOVATION SUPPORT



Innovation Support

Business case support and access to further funding