

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!

Visit our website for the latest Open Call dates, along with details of how to apply: www.fed4sae.eu/innovative/projects/open-calls

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

intel
 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

ST
 iIte.augmented

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

AVL
 IODP
 Integrated and Open Development Platform for Automotive powertrain development

THALES
 TIME4SYS
 Timing Framework - System Modelling Framework for real-time embedded applications.

ADVANCED PLATFORMS

cea
 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

KTH
 AIDE
 Data Management Tools for engineering of Cyber-Physical Systems

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

fortiss
 4Diac
 Infrastructure for distributed industrial process measurement and control

csem
 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

Reliability
 Harsh environment and systems integration reliability test environment

UC
 Smart City
 CPS Massive urban infrastructure in technology and service assessment

Fraunhofer IISB
 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

catapult Digital
 LPWAN
 Low Power Wide Area Network based CPS solution

INNOVATION SUPPORT

BLUMORPHO
 Innovation Support
 Business case support and access to further funding

