TRANSACT

Towards safe and secure distributed cyber-physical systems

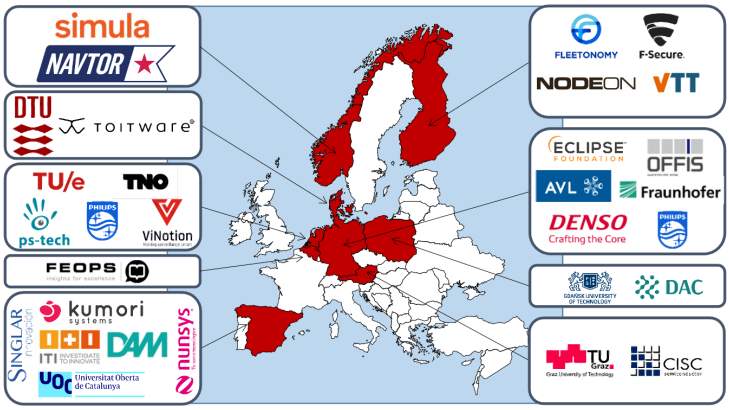
The overarching goal of the TRANSACT project is to develop a universal, distributed solution architecture for the transformation of safety-critical cyber-physical systems, from localised standalone systems into safe and secure distributed solutions leveraging edge and cloud computing.

Duration
36 months: 06/2021 – 05/2024

Overall Budget
26.544.588,75 EUR

EU contribution
6.904.533,33 EUR

Coordinator
PHILIPS MEDICAL SYSTEMS NEDERLAND



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Five reasons why

Transforming safety-critical Cyber-Physical Systems (CPS) into distributed solutions for end-users and partners

- ✓ NEW BUSINESS FOR SOLUTION PROVIDERS
- ✓ DISRUPTED URBAN PUBLIC TRANSPORT
- ✓ NAVIGATIONAL SAFETY AT SEA
- ✓ ENERGY EFFICIENT ELECTRIC VEHICLES
- ✓ CLINICAL APP STORE AND SURGICAL PLANNING ANYWHERE

Technical Challenges

- ✓ TRANSFORMING CPS' ARCHITECTURE FROM MONOLITHS TO DISTRIBUTED SOLUTIONS BASED ON THE DEVICE-EDGE-CLOUD CONTINUUM
- ✓ ENSURING CPS' PERFORMANCE IN THE DEVICE-EDGE-CLOUD CONTINUUM
- ✓ ENSURING CPS' SECURITY AND PRIVACY IN THE DEVICE-EDGE-CLOUD CONTINUUM
- ✓ DEVISING BUSINESS MODELS FOR MONETIZING CPS WHEN DEPLOYED IN THE DEVICE-EDGE-CLOUD CONTINUUM

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