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## Partners



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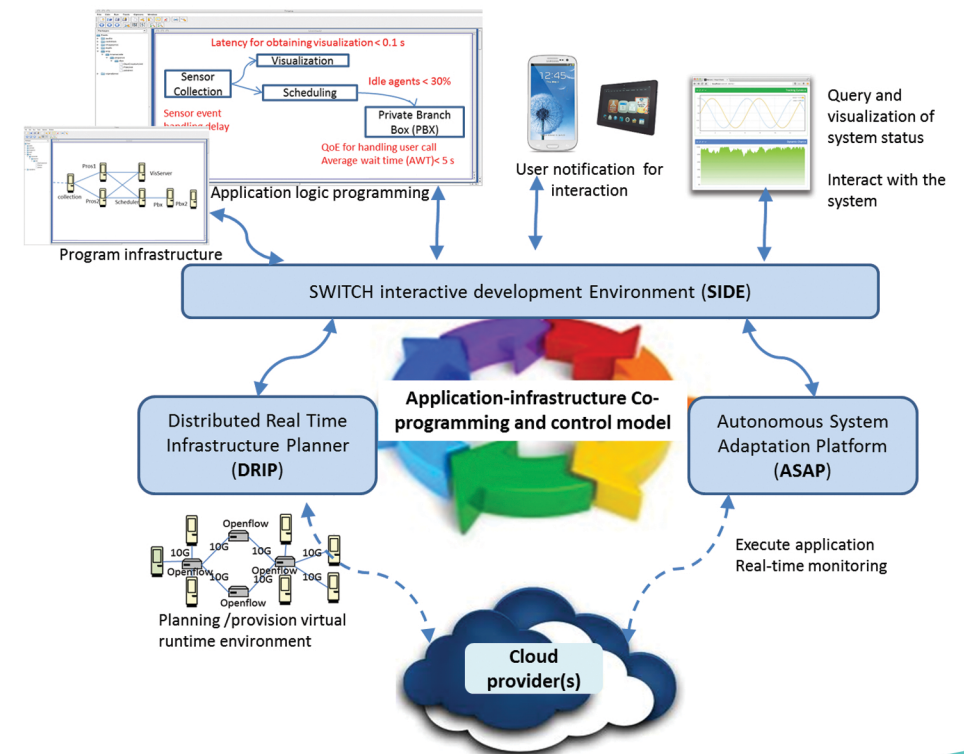
# SWITCH

SOFTWARE WORKBENCH FOR  
INTERACTIVE, TIME CRITICAL  
AND HIGHLY SELF-ADAPTIVE  
CLOUD APPLICATIONS

The SWITCH project (Software Workbench for Interactive, Time Critical and Highly Self-Adaptive Cloud Applications) addresses the urgent industrial need for developing and executing time critical applications in Clouds.

- Critical requirements for performance and user experience
- Very high development cost and difficult usage of cloud services

SWITCH addresses these problems by providing an interactive and flexible software workbench that can provide the necessary tools to control the lifecycle for rapid development, deployment, management and dynamic reconfiguration of complex distributed time-critical Cloud applications.



## Novel conceptual model

- An interactive environment for developing applications and controlling their execution (SIDE)
- A real-time infrastructure planner for deploying applications in Clouds (DRIP)
- An autonomous system adaptation platform for monitoring and adapting system behaviour (ASAP)

## Large scale impact

- Improving development productivity
- Upgrading industrial technologies to Cloud infrastructure
- Improving deployment efficiency
- Reducing operational cost of time critical services
- Promoting business competitiveness of Clouds