Developing a novel software architecture for extreme-scale analytics

The ELASTIC software architecture will form the technological basis for advanced mobility systems and autonomous transport networks.

Fog Computing
Advanced hardware architectures at the edge side combined with the most advanced technology to increase the capabilities of extreme-scale analytics.

Elasticity
An innovative elasticity concept, in which computation is dynamically distributed across the compute continuum whilst fulfilling real-time, energy, communication and secure properties.

Smart City
A visionary smart mobility use-case, with huge amounts of data coming from a large set of IoT sensors distributed along the Florence tramway network.
25% Reduced number of yearly incidents in Florence tramway
NGAP and ADAS

5% Traffic improvement
Public/private transport interaction

30% Reduced preventive and standard maintenance costs
Predictive maintenance

Partners

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