



eltic-Plus⁺

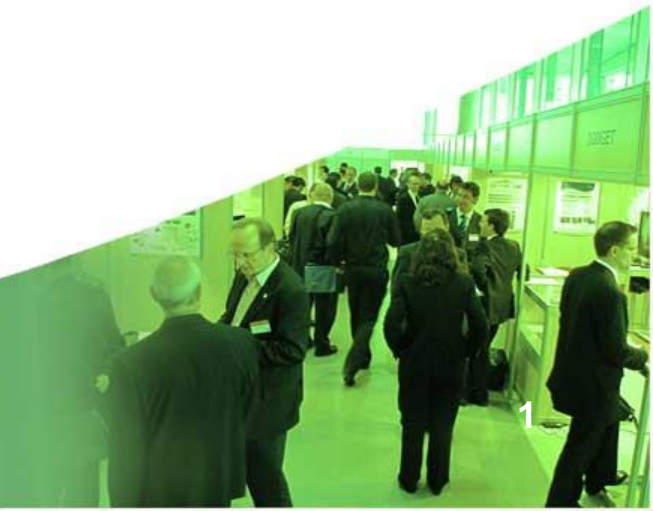
Smart Connected World



Proposers Day
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Project Proposal Secure, Scalable Video Services in Cloud

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- We increase competitiveness of companies by creating new technology and innovations.
- We renew industry and create new business opportunities.
- We create new knowledge for the purposes of society and political decision making.
- We help Finland to be a globally recognised innovation centre.



36%

**OF FINNISH
INNOVATIONS**
include VTT
expertise.

Source: Roles, effectiveness, and impact of VTT, VTT & Technopolis Group, 2013.



Biggest multitechnological applied research organisation in Northern Europe

A circular graphic divided into four quadrants. The top-left quadrant shows a woman in a lab coat using a pipette. The top-right quadrant shows a glowing blue cityscape. The bottom-left quadrant shows a petri dish with colorful cells. The bottom-right quadrant shows green plant leaves. In the center, a white circle contains the text "50%".

50%

OF THE MOST DEMANDING INNOVATIONS in Finland include VTT expertise. (*

Resources

- Turnover 308 M€ (2013 VTT Group), personnel 2,900 (31.12.2013 VTT Group)
- Unique research and testing infrastructure
- Wide national and international cooperation network

Services and the way of work

- Cross-disciplinary technological and business expertise
- A not-for-profit and impartial research centre

Customers

- Finnish and international companies as well as public sector organisations

Business areas and VTT companies

- Knowledge intensive products and services
- Smart industry and energy systems
- Solutions for natural resources and environment

- VTT Expert Services Ltd (incl. Labtium Ltd)
- VTT Ventures Ltd
- VTT International Ltd (incl. VTT Brasil LTDA)
- VTT Memsfab Ltd

Proposal Introduction (1)

Vision: Scalable, Manageable, and Secure Video Services in Cloud

Motivation: Developing a new video service to specific use case may be time consuming, and verifying it's security, scalability and management capabilities is challenging

This project specifies an architecture for selected use cases , and develops services having focus on:

- Efficient usage of cloud services providing scalability and cost-effectiveness
- Easy deployment of services through utilization of container technologies
- Security
- Monitoring and management of networks

Services can be deployed on own hardware or cloud architectures.

Proposal Introduction (2)

The project results can be utilized as follows:

- *Fast start-up of new video services for specified use cases*
 - *Use cases such as video surveillance, video on demand, and real-time video services as default*
- *Easy deployment of monitoring, scalability and security features will benefit both technology developers and service providers*
- *Utilization of video services in bigger corporations and SMEs will be improved*
- *Schedule:*
 - *Application will be sent to the next Celtic-Plus call Feb 10th, 2015.*

Partners

- Preliminary consortium from Finland
- We are looking for partners in the following areas:
 - Cloud service and technology providers
 - Service providers and operators utilizing the service platforms and technologies developed
 - Innovative SMEs developing technologies on video services, management and security topics
 - Research institutes and universities

Contact Info

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