

## **Competence Centre for Advance Control Technology (CC STV)**

### **Address:**

CC STV Zavod Center  
ARIJamova cesta 39  
SI - 1000 Ljubljana, Slovenia  
<http://www.kcstv.si>

### **Profile and background:**

CC STV represents an innovative environment stimulating industrial R&D in the process control technology and ICT domains. Control technology is embedded in almost every product and production process, but highly responsible for its proper and efficient operation. As it is constantly influenced by advanced technological solutions and always required in new application areas, control technology is an ever-relevant technology with highly profitable investments that have multiplicative effects on the economy. The main technology domains, cross-sectional fields:

- Smart communities and region
- Smart and active houses
- Smart factories (Automation, Production Information Systems, Process Control)
- Smart Grids - demand side management and Internal energy management systems
- Gasification of biomass from wood
- Energy and Ecology:
  - Systems for production of renewable energy sources and systems for energy storage
  - Energy Management System
  - Intelligent peak levelling system
  - Virtual Power Plant
  - CHP Applications
  - Fuel cell and hydrogen applications
- Control systems for future fusion reactors

CC STV originates from the Technology Network Process Control Technology and integrates 17 partners - the most prominent Slovenian engineering companies and academic institutions in these domains, along with some end-user production companies. The R&D activities of the centre are structured into six thematic projects and one demonstration project with the following topics:

- Development environment and components for implementation of advanced control
- Technology of web, remote and distributed control

### **Contact:**

Tina Baggia  
[tina.baggia@inea.si](mailto:tina.baggia@inea.si)  
Tel: +386 31 361 570

- Model-based production control
- Optimisation and control for efficient energy consumption and clean environment
- Automatic condition monitoring of process equipment
- Efficient fusion power-plant control system
- Development of the technical prototypes and realization of demonstration projects

The planned results are more than 25 new products, technologies, services and demonstration projects, seeking either opportunities to be placed on the international market, or networking for further development in regional and international-wide R&D projects.

### **References and presence in India**

CC STV has established worldwide research & business collaboration with numbers of research and scientific institutions and companies.

### **Partnership sought**

CC STV is seeking:

- Partnership for joint R&D projects on indicated areas,
- Partnership for joint pilot projects and demonstration projects of new solutions on the market;
- Partnership for joint engineering projects; and implementing/selling solutions, systems and products;
- Industrial partners needing R&D services.

### **Presenter:**

**Tina Baggia** is the Executive Secretary of CC STV. Her profession is Master of Business Administration, Mech. Eng. and she has more than 15 years of work experience. As the Executive Secretary of CC STV she's involved in all centre's activities (management, marketing activities, dissemination and exploitation of results, internationalisation and networking, development of new business models, ...).