

MODERN CONTROL TECHNOLOGIES



Technologies that make things work.

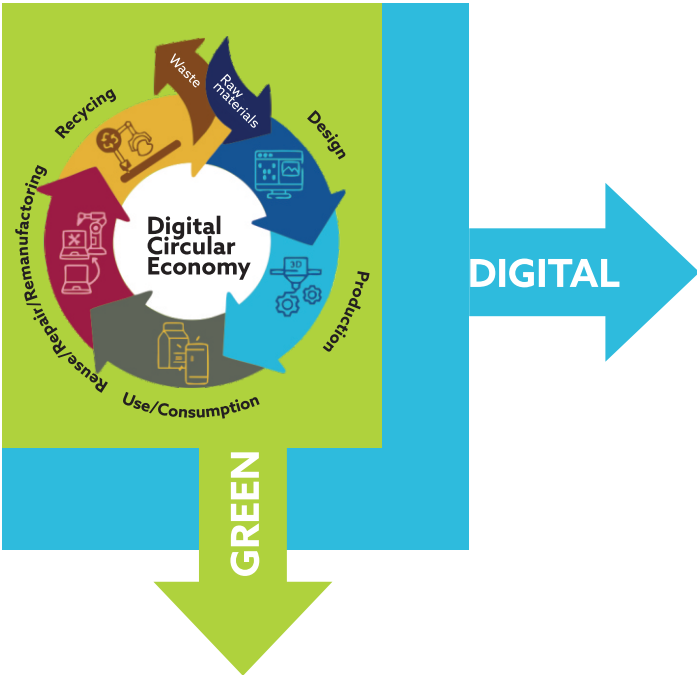


The **KC STV** as legal entity was founded in 2016 by the member companies of the Technology Network Technology Process Control consortium (TM TVP), which as a virtual organization since 2002 has been connecting public research institutions and companies in the transfer of knowledge and technologies to industrial practice and in the development of products and services for sale on the market. We have registered research group for advanced control technologies at Slovene Research and Development Agency (ARRS).

KC STV is beneficiary of Strategic Development and Innovation Partnerships (SRIP) Factory of the Future (SRIP ToP), where we are represented as a cluster of modern control technologies (STV). Our cluster has 35 members, including 11 members from academia, 21 members from business, and 3 members from other associations. We are proud to be the carrier of this cluster and to work towards the common goal of advancing modern control technologies in the SRIP ToP.

Research and development activities within our cluster focus primarily on the following technological areas in industry and energetics:

Prioritetno tehnološko področje Priority (technological) areas
Umetna inteligenca pri vodenju in optimizaciji sistemov Artificial intelligence for systems control and optimization
Digitalni dvojčki v tehničnih procesih Digital twins in technical processes
Energetika v kompleksnih sistemih Energetics in complex systems
Prediktivno vzdrževanje - prognostika in ocenjevanje stanja proizvodnih strojev in naprav Predictive maintenance - prognostics and assessment of the condition of production machines and devices
Industrijski internet stvari Industrial internet of Things
Integrirani MES Integrated MES
Specifične aplikacije vodenja Specific control applications



We offer advanced knowledge in the fields of automation, informatization and cybernatization of processes for the key domain areas:

- Control technologies in modern factories
- Control technologies for smart, green and efficient energy
- Control of intelligent objects (communities and cities)
- Embedded systems
- Control of complex scientific/experimental systems

At KC STV, we are committed to promoting research and development activities in these priority areas. Our project office offers valuable support to our members in research and development projects, including information and integration services, as well as assistance in identifying relevant domestic and EU tenders. We also actively seek out competent consortium partners for our

members and keep them up to date with the latest technological developments in the field. KCSTV is highly engaged in the field of internationalization, with a focus on control technologies that have broad applications across various technological domains. As an active member of several industry organizations, including EFFRA, A.SPIRE, Hydrogen Europe and the Vanguard Initiative, we are committed to staying abreast of the latest trends and developments in our field. Our international activities allow us to inform our members about emerging opportunities and anticipated topics of tenders in our area of operation. By maintaining a strong international presence, KCSTV is well-positioned to drive innovation and advance our mission of delivering cutting-edge solutions to our clients.