



# TCS - Toolmakers Cluster of Slovenia

*Short Presentation*

September 2017

# Slovenia – Strong Innovator in the Centre of Europe

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Source: European Innovation Scoreboard 2017; EC

## RITS – Development Innovation and Technology Centre

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Celje, Slovenia



# TCS – General Data

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- **Organisation:** Network organisation, with C-TCS Institute as management, information and communication centre
- **Location:** RITS - Development Innovation and Technology Centre, Celje, Slovenia
- **Members – enterprises**, mainly SMEs, from automotive, mechanical engineering, toolmaking, electrical engineering and ICT sector
- **Members – knowledge organizations** – faculties, technological centres, consulting companies, and regional institutions

# TCS Vision & Target Markets

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## VISION

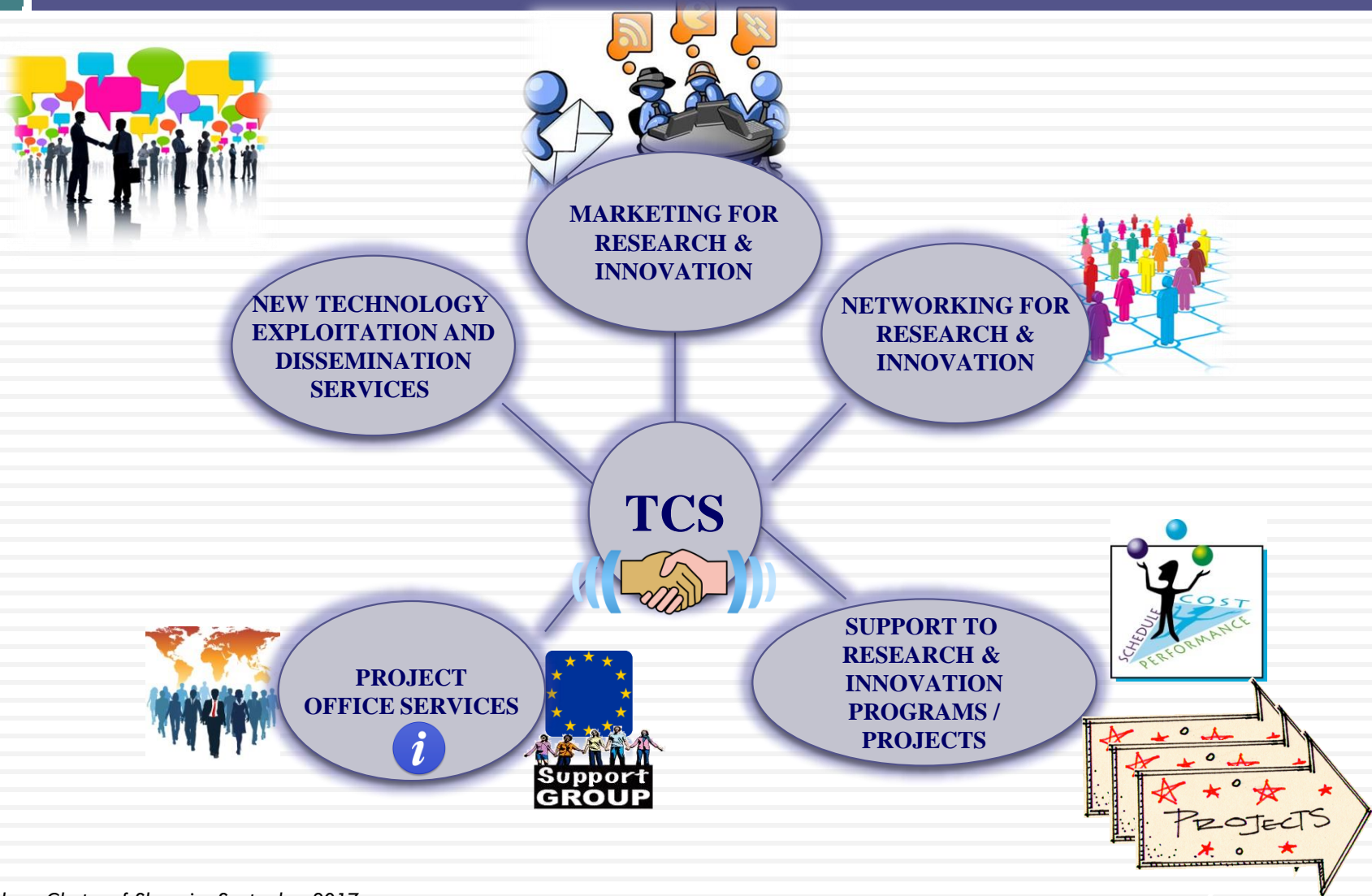
“Regional network of high qualified companies and organisations – development partner of the most demanding industries in the EU”

## TARGET MARKETS

- Automotive,
- Aerospace,
- ICT

# TCS Areas of Collaboration & Services

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## EU Institutions of Knowledge

# TCS Networks



## EU Enterprises

## International Networking Organizations



## SLO Institutions of Knowledge

## SLO Networks Organizations

## SLO Enterprises



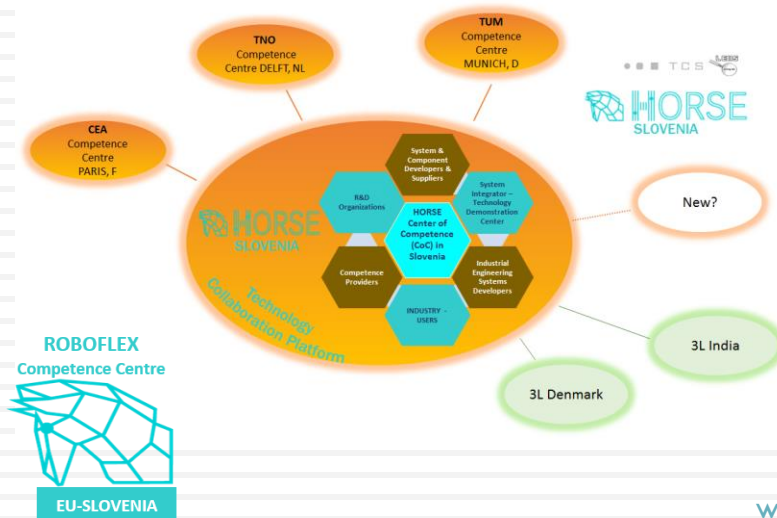
# TCS's Research & Innovation Partner LENS Living Lab

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## International Virtual Living Laboratory **LENS Living Lab®**

### TCS and LENS Living Lab® Collaborative Initiative

- Competence Center ROBOFLEX - Technology Collaboration Platform for Robotics



### TCS as Partner in the LENS Living Lab® Research & Innovation Collaboration Platforms

- International Open Research and Innovation Program “**Smart Machines & Systems**”,
- **Alpe-Adria Laser Additive Manufacturing Technology Platform**,
- **INTESO Group ICT Virtual Laboratory**,
- **LogDyn** – Technology Platform for Logistics of Virtual Value Chains,
- **KM FEST** Global Collaboration Platform,
- **ICA** – International Collaborative Academy



[www.3-lab.eu](http://www.3-lab.eu)



# In our focus: KETs – Key Enabling Technologies & New Business Models

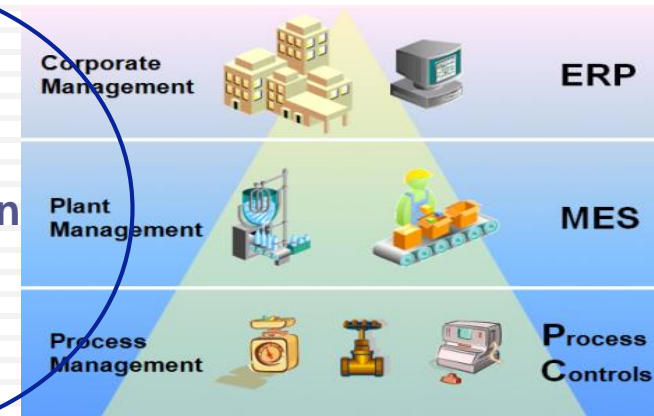
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**Advanced  
Manufacturing  
Technologies**

**Information &  
Communication  
Technologies**

**Nanotechnologies  
& Advanced  
Materials**



# Key Programme Orientations

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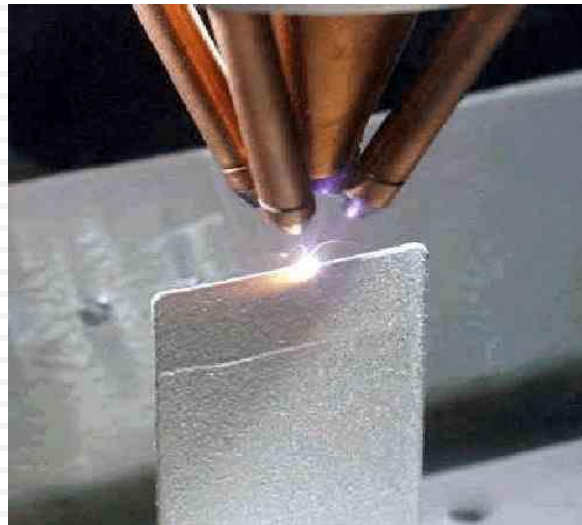
- RoboFLEX Technology Platform – Next generation of flexible robots for SMEs – Human-Robot collaboration, Smart Robotics System Abilities



# Key Programme Orientations

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- AM – Additive Manufacturing – Laser Technologies – Applications in Tool and Die, Mechanical and Electrical Engineering, Automotive and Aerospace Industries



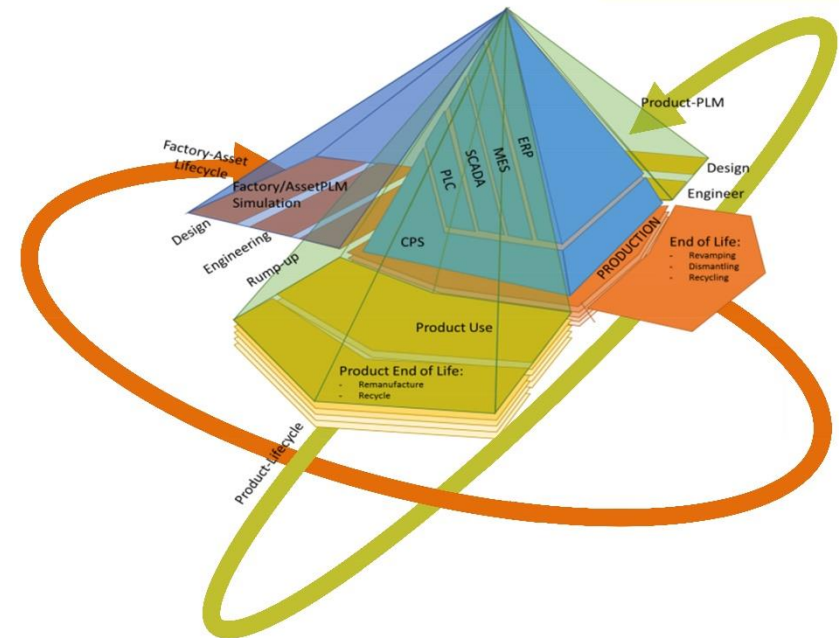
Source: Optomec



# Key Programme Orientations

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- CPS&IoT – Cyber – Physical Systems & Internet of Things – New Business Models in the implementation of CPS&IoT



Source: sCorPiuS – European Roadmap for Cyber-Physical Systems in Manufacturing

# Contacts

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