

 <p>Matej GAJZER Cluster Manager</p> <p>E: matej.gajzer@teces.si T: +386 2 333 1 350 M: +386 41 904 653</p>	 <p>Nina SEGA Project Manager</p> <p>E: eucooperation@teces.si E: nina.sega@teces.si M: +386 41 381 734</p>	<ul style="list-style-type: none"> ▪ year of establishment: 2001 ▪ number of employees: 5-10 ▪ number of cluster members: 44 ▪ overall revenue of cluster members: 6.02 b € ▪ overall number of employees: 31,359
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CLUSTER DESCRIPTION

TECES is Slovenian **Energy Conversion and Energy Efficiency Cluster** founded by Slovenian companies and public research organizations in 2001 as one of the first innovation measures of Slovenian government to foster technological and RD cooperation. It is also the **holder of one of the 9 key national clusters in Slovenia.**

The main goal of the cluster is to promote the business in the field of energy conversion and energy efficiency, synergies among members and to provide support for national and international collaboration opportunities and internationalization of cluster members with the focus on:

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| <ul style="list-style-type: none"> ▪ Electric Drives, Mechatronics Systems ▪ Power Electronic Converters & Systems ▪ Electric Devices & Components ▪ Household Appliances & Systems |  | <ul style="list-style-type: none"> ▪ HVACR Components & Systems ▪ Energy Generation, Conversion & Storage ▪ Energy Management Systems ▪ Smart Grids, Micro Grids |
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In 2017 TECES decided to integrate Slovenian Smart Specialization Strategy in its Cluster strategy and became a coordinator of **Strategic Research and Innovation Partnership Smart Buildings and Home including Wood Chain** (which is one of the nine key partnerships according to Slovenian Smart Specialisation Strategy), expanding its focus on:

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| <ul style="list-style-type: none"> ▪ Sustainable Building & Home ▪ Advanced Residential Units ▪ Smart Devices & Systems |  | <ul style="list-style-type: none"> ▪ Active Building Management Systems ▪ Wood and Forestry-Wood Product Chain ▪ Advanced Non-Biogenic Construction Products |
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CLUSTER MEMBERS COMPETENCES & PRODUCTS PORTFOLIO



KEY CLUSTER PLAYERS

- BSH Hišni aparati d.o.o. Nazarje (Small household appliances)
- DANFOSS Trata d.o.o. (HVAC-R technology)
- DOMEL d.o.o. (Motors & blowers)
- EBM-PAPST Slovenija d.o.o. (Drive & pump technology)
- ETI d.d. (Electrical protection & safety)
- GORENJE d.d. (Household appliances)
- HIDRIA Rotomatika d.o.o. (Automotive & industrial drives)
- ISKRATEL d.o.o. (Information communication technology)
- KOLEKTOR GROUP d.o.o. (Automotive & industrial drives, energy systems, engineering)
- MAHLE Letrika d.o.o. (Automotive drives)
- PETROL d.d. (Energy & fuel provider)

WHAT OUR CLUSTER CAN OFFER

- As a key national cluster we offer access to the ecosystem and full knowledge of energy efficiency and energy conversion value chains on Slovenian market
- Internationalization opportunities (analysis of competences and collaborations possibilities, commercial missions, participation in international fairs, benchmarking, internationalization groups)
- Assistance to similar and complementary clusters seeking to improve their cluster network with partners from Slovenia
- Possibility of collaboration in R&D, technology transfer projects and manufacturing
- Networking and matchmaking opportunities
- Development and coordination of demo pilots

WHAT OUR CLUSTER IS LOOKING FOR

- Partners with knowledge and competences to improve our internal cluster management skills
- Developing common activities (trainings, workshops, etc.) with other clusters in order to exchange knowledge, innovative ideas, best practices and projects
- International cross-sectorial collaboration in EU funded programmes (COSME, Horizon 2020, Transnational EU programs...)
- Similar and complementary clusters & networks, especially in the field of Energy Conversion & Energy Efficiency, Power Electronics, Smart Grids, Smart Buildings & Home for collaboration
- Multinational companies from other countries interested in entering Slovenian market with cluster support
- Internationalization opportunities

KEY CLUSTER REFERENCES

- **Active stakeholder in Slovenia's Smart Specialisation Strategy**
 - 2014 – 2016: **preparation** of governmental and regional development strategy and plans; involved in S3 preparation phase, defining S3 key priority areas and in conducting a coordinated stakeholders' response about initiatives in the field of Smart Buildings and Home including Wood Chain.
 - 2017 →: **Coordinator of Strategic Research Innovation Partnership Smart Buildings and Homes including Wood Chain** which is a **key national partnership** developed as Slovenian Smart Specialisation Strategy Measure
- **Partner in the biggest Slovenian Japanese „Smart Grids and Smart Communities“ demonstration pilot project (35 million €)**
 - 2013 – 2016: **responsible** for **coordinating activities** with Slovenian government and involving Slovenian companies and smart communities in the preparation phase of the project
 - 2017 → **responsible** for **consumer inclusion** in the field of lowering peak electric energy demand (pilot action)
- **Hi.TECH Slovenia Technology Bridge (Twin office) - Internationalization of Slovenian economy through clusters**
 - Founding **member of Hi.Tech Slovenia Technology Bridge** (Twin offices)
 - Internationalization of Slovenian economy through clusters (SLO - India)
- **Competence Centre for Human Resources Development in the Electrical Industry**
 - 2017 → responsible for coordinating the future orientation of human resources development in the field of electrical industry
- **Competence Centre for Advanced Systems of Efficient Use of Electrical Energy (10 million €)**
 - 2011 – 2013: coordinator, 24 new products developed
- **More than 50 joint R&D & technology project proposals for national public financing**
 - 2001 – 2015: more than 90% application success rate

CONTACT INFO



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TECES is labelled with European Cluster Excellence Initiative Bronze Label certificate



TECES is registered member of ECCP.