

Field of expertise

Advanced manufacturing and processing technologies

Sustainable and smart adaptive (bio)plastic materials

Recycling - Recovery technologies – Waste

Factories of the Future

Industrial Sustainability

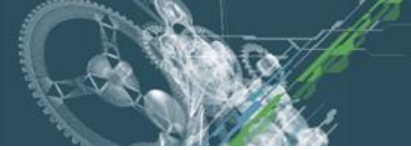
Circular Economy

Innovation HUBs

Thematic brokerage workshops: WS.3 NMBP

EU Brokerage Event on Kets in Horizon 2020

Strasbourg, 17th October 2017



Slovenian private non-for-profit R&D Centre, with 18 employees, providing top level services for Tool, Die & Mould-Making Industry and process-manufacturing companies within Slovenian and European Level.

ENGINEERING SERVICES



Your key to optimised products and stable production processes

production processes
products and stable


APPLIED RESEARCH



A strong partner in small or large scale R&D projects

R&D projects
small or large scale


SPECIALIZED TRAINING



We place knowledge in our customers' environment

environment
in our customers'

INDUSTRIAL ASSOCIATION

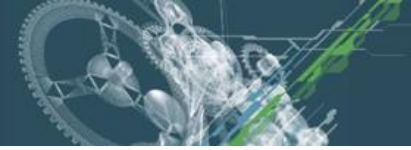


Link to Slovenian toolmaking at home and abroad

and abroad
toolmaking at home

Past experience in EU-funded projects: Coordinator & Project Partner:

- FP6-FP7: over 15 projects, related to manufacturing technologies, processes & materials
- ERASMUS+ (KA2); LIFE (Environment and Resource Efficiency); INTERREG (Cross-boarder cooperation SI-AT, MED, ALPINE SPACE, CENTRAL, DANUBE, EUROPE), Coal & Steel
- Soft Thematic Projects: Slovenian Leader for Vanguard, S3 Smart Specialization Platform for Industrial Modernization (S3P-IM), Digital Innovation HUBS Slovenia

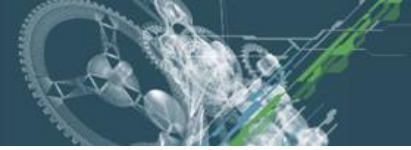


Offered expertise:

- STRUCTURAL FEM ANALYSES: static and dynamic analyses of products, assemblies and kinematic devices; computational fluid (CFD) analyses: precise analyses of fiber reinforced materials (Moldflow + Abaqus)
- IM PROCESS OPTIMISATION on biopolymeric materials, advanced (nano)composites (special knowledge for enhanced dispersion) and hybrid (metal-plastic) joining.
- IN-LINE PROCESSING CONTROL: Acoustic measuring, optic & sensors control
- OPTICAL 3D MEASUREMENT & INSPECTION, SCANNING and REVERSE ENGINEERING

Topics of interest:

- **NMBP-14-2018: Nanoinformatics: from materials models to predictive (eco)toxicology (RIA)**
- **CE-SPIRE-10-2018: Efficient recycling processes for plastic containing materials (IA)**
- **CE-NMBP-26-2018: Smart plastic materials with intrinsic recycling properties by design (RIA)**
- **DT-NMBP-19-2019: Advanced materials for additive manufacturing (IA)**
- **DT-NMBP-10-2019: Adopting materials modelling in manufacturing processes (RIA)**
- **NMBP-16-2020: Safe by design: behaviour of multi-component nanomaterials (RIA)**



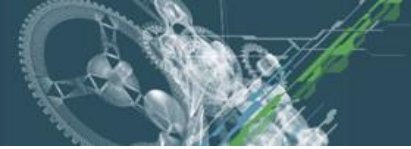
Consortium

Competence offer

Name	Type	Country	Role in the project
TECOS	RIA	Slovenia	Testing Centre for advanced plastic, metal, polymer composite or hybrid materials (Specifically for injection moulding technology) + In-line Controlling Systems

Partner search

Profile	Type	Country	Role in the project
End-user	SME/OEM/LARGE	EU	New project partners with operational pilot production line (TRL 4-6) for transforming waste streams (industrial, post-consumer, agro) into valuable technical fibers/raw matrices for value added applications (targeting on high-tech composites for automotive, packaging, medical, textile, household appliances...)



Contact details

Contact person	Dr. Vesna Žepič Bogataj
Organisation	TECOS – Slovenian Tool and Die Development Centre
Adress	Kidriceva 25, SI-3000 Celje
Phone nr	T: +386 (0)3 426 46 18 M: +386 51 606 491
E-mail	Vesna.zepic.bogataj@tecos.si