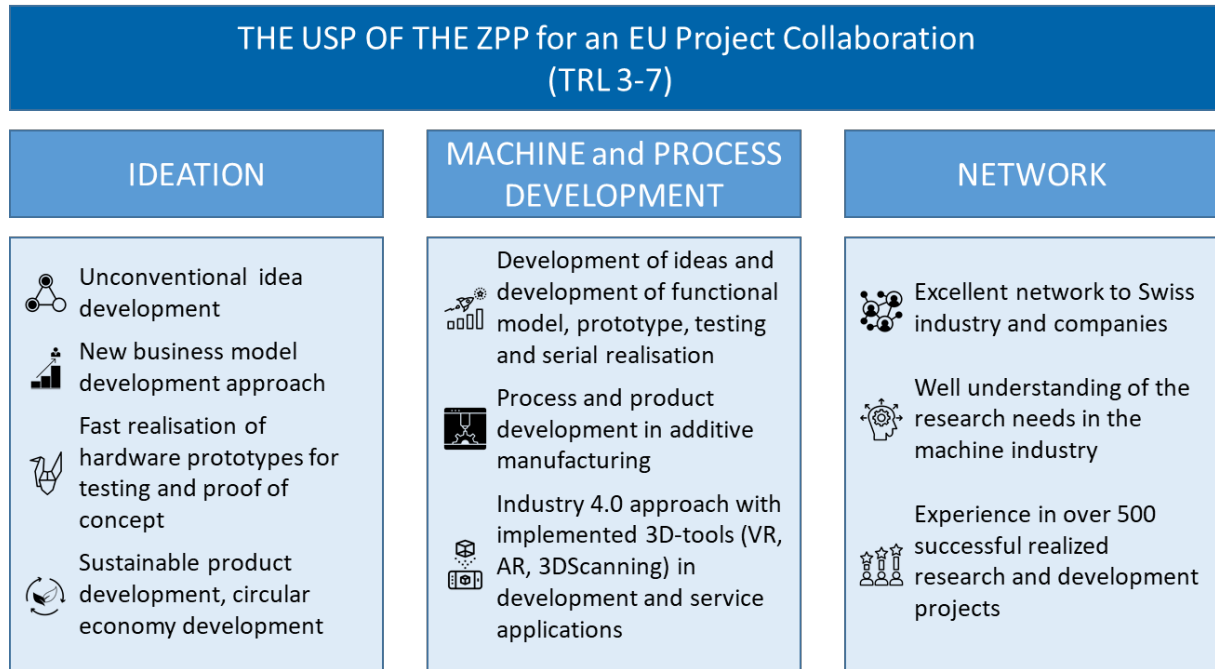


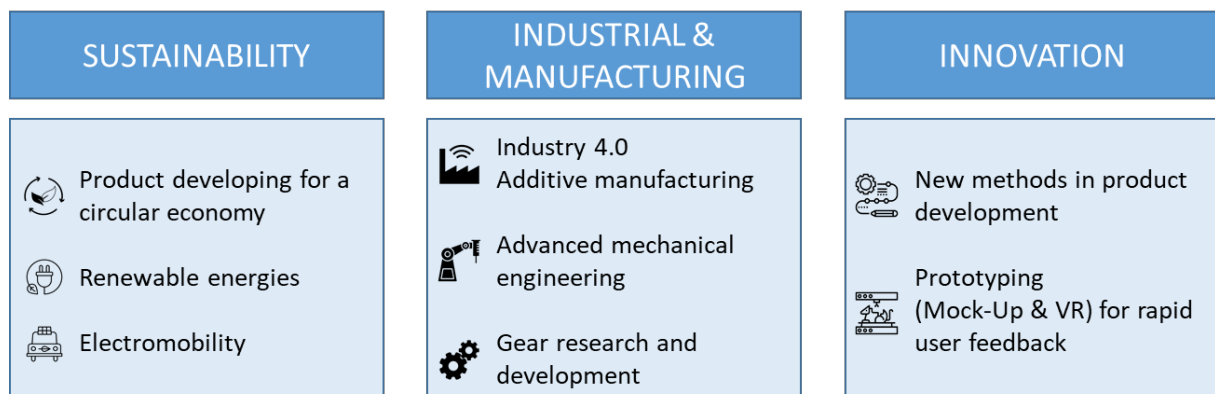
The Centre for Product and Process Development (ZPP) is an institute of the ZHAW Zurich University of Applied Sciences, Winterthur, Switzerland, which is one of the leading universities of applied sciences in Switzerland.

The ZPP carries out product and process development from the initial idea to realization. The main research areas are product innovation and development, industrial design, advanced production technologies, machine testing, digitalization, and industry 4.0 with a comprehensive approach to observation.



















The ZHAW and the ZPP are used to implement research projects with industrial companies in its excellent network in Switzerland's machine industry sector. These companies are willing to participate also in EU research projects.

**Areas of activity**



Through the integration of all departments of the ZHAW University (technical divisions, economic research, life science, health, psychology), we can unite the university internal experts with industrial partners and link them together with our engineering and project leadership skills and experience the project or consortium.

## Key competences

VISION, METHODOLOGY & LEADERSHIP	CONCEPTS & DESIGN	REALISATION
<ul style="list-style-type: none"> <li> Business Modeling</li> <li> Feasibility Studies</li> <li> Sustainability Assessments</li> <li> Circular Economy Design</li> <li> Overall Project Management</li> </ul>	<ul style="list-style-type: none"> <li> Ideation</li> <li> Proof of Concept</li> <li> Industrial Design</li> <li> Topology Design FEM-Calculation</li> <li> Seamless CAD process 3D-Scanning, 3D-Master 3D-Manufacturing,</li> <li> XR (Virtual- and Augmented Reality)</li> </ul>	<ul style="list-style-type: none"> <li> Sustainable Development</li> <li> Test Rig Design Machine Element Testing</li> <li> Additive Manufacturing (in metal and plastic)</li> <li> Gear Manufacturing Gear Testing</li> <li> Development of manufacturing systems</li> </ul>

## Experience

A general overview of the experience and ability at the ZPP is provided by the list of ongoing and completed projects, publications, and academic works:

PROJECTS	PUBLICATIONS	ACADEMIC WORK
 <p>SCAN or CLICK for ZPP Projects</p>	 <p>SCAN or CLICK for ZPP Publications</p>	 <p>SCAN or CLICK for ZPP Academic Work</p>

## Impressions

VIRTUAL	DIGITAL & ANALOG	REAL
