

Mittelstand 4.0 Competence Centre of Excellence in Ilmenau

Funding priorities

Mittelstand-Digital –
strategies for digital transformation of business processes

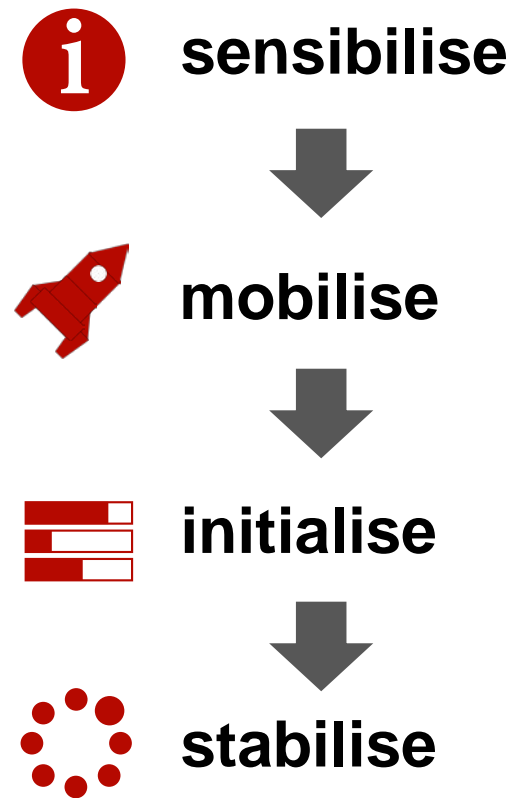
Mittelstand 4.0

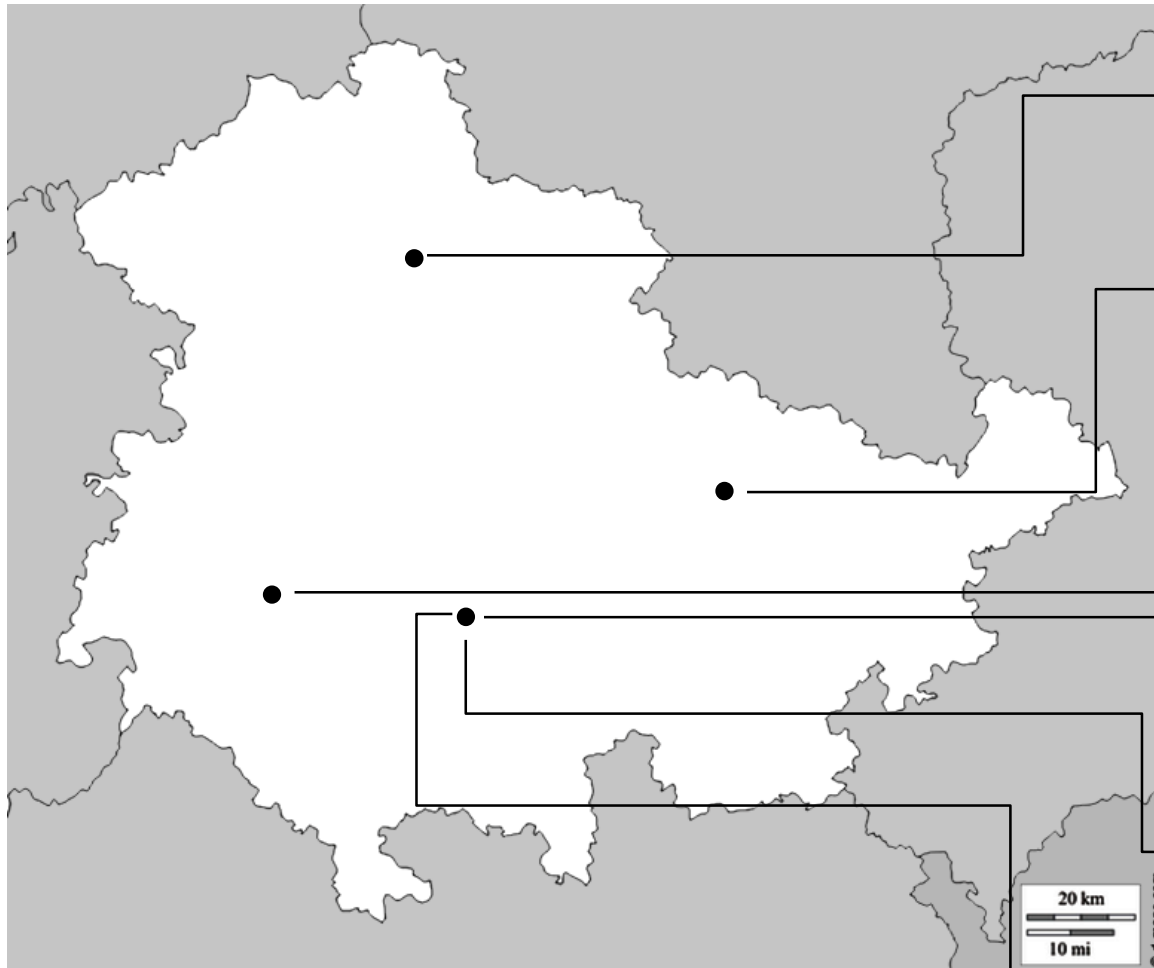
eStandards

Usability

Offers of the Competence Centre

- information sessions
- lectures
- events
- projects
- publications





Fab
Production Control



Fab
3D-Printing



Fab
Process Data



Fab
Digital Cooperation



Fab
Migration



Management

Fab Digital Cooperation

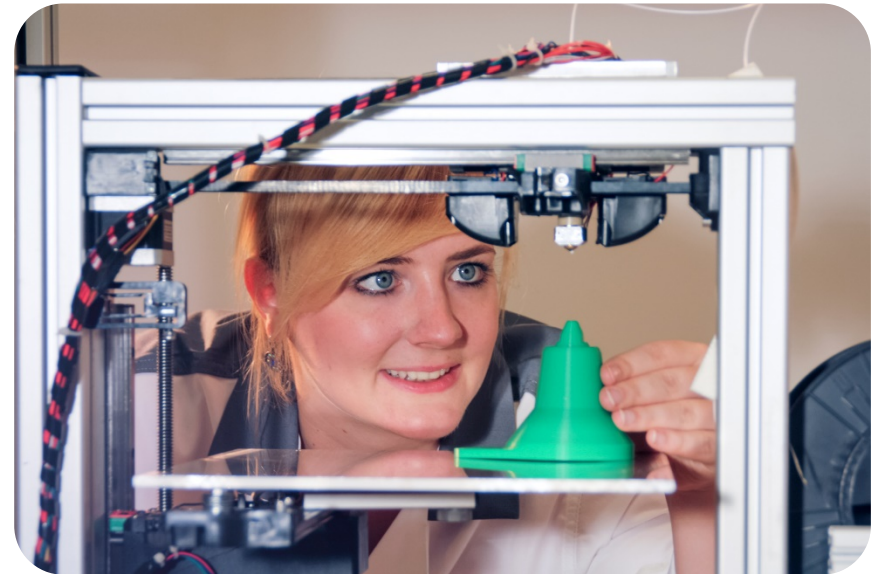


- potentials and challenges of cooperative value creation networks
- implementation of digital planning tools
- interconnected security systems in production
- technology linking and revision of production relevant data



Fab 3D-Printing

- 3D printing: application areas, methods, economic considerations
- 3D printing-data-processing
- laser material processing for product individualization
- internal networking by means of cloud solutions
- usage of configurators
- digital working worlds: concepts for new forms of training, leadership and cooperation



Fab Migration

- step-by-step introduction of digital solutions to improve facilities and processes
- digital platforms for cooperation, communication and data exchange in value creation
- tools for developing of new business models, services and products



Fab Process Data

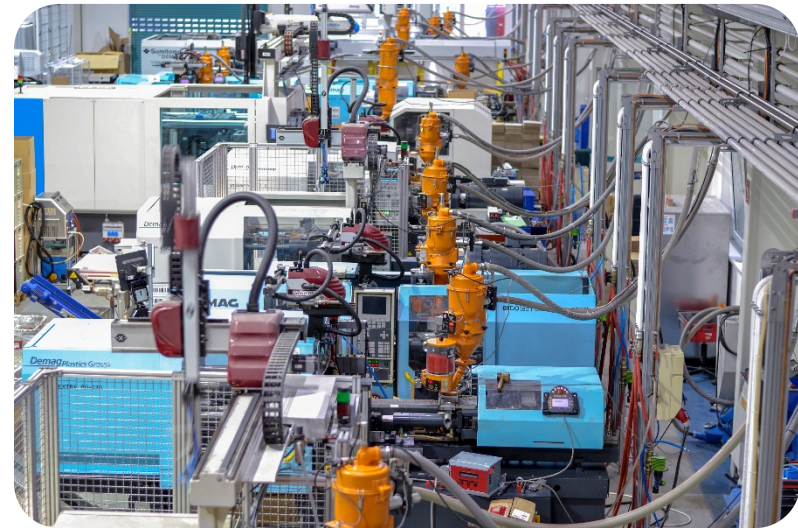
- process data acquisition
- process data preparation
- process data transfer
- process evaluation and process archiving



Fab Production Control



- ERP and production management systems
- automation with collaborative and autonomous systems
- collaboration with partner companies “living factories”
 - industrial 3D printing
 - metal part production from batch size 1
 - assembly technologies
 - networking of trades and suppliers



Become an implementation partner

Agenda

1. information session
2. submission of a project outline
3. evaluation of the project outline by the responsible fab
4. cooperation agreement
5. kick-off workshop
6. project implementation having regular meetings
7. evaluation
8. publication of the results

www.kompetenzzentrum-ilmenau.digital

