**Project Plan**

- Implementation of StrucSim material module for integrated microstructure prediction during the forming simulation in Simufact.forming
- Tracking of the process chain during operation at further external partners
- Measurement of boundary conditions (e.g. forces and temperatures) and determination of material properties (e.g. microstructure)
- Comparison of simulated and measured results

### Major Work Packages

- Familiarisation with material modelling in hot forming
- Design and further development of simulation model
- Works and laboratory tests for validation of the model

### Advantage of the StrucSim integrated structure simulation

- Prediction of the structure development during the complete process chain
- Calculation of the occurring forces and moments under consideration of the changing material behaviour

### Timeline

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### Consortium

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