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Integration of engineering and business processes in metal forming

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Agenda

- **Context of the solution**
- **System architecture of the solution**
- **Business cases**

Context of the Solution

Automotive suppliers coping with **sheet metal forming of multi-staged parts** require **virtual prototyping (VP) techniques** to stand in the market (shortening the time to market, improving engineering processes, increase the quality of manufactured products, ...)

Service Provider:

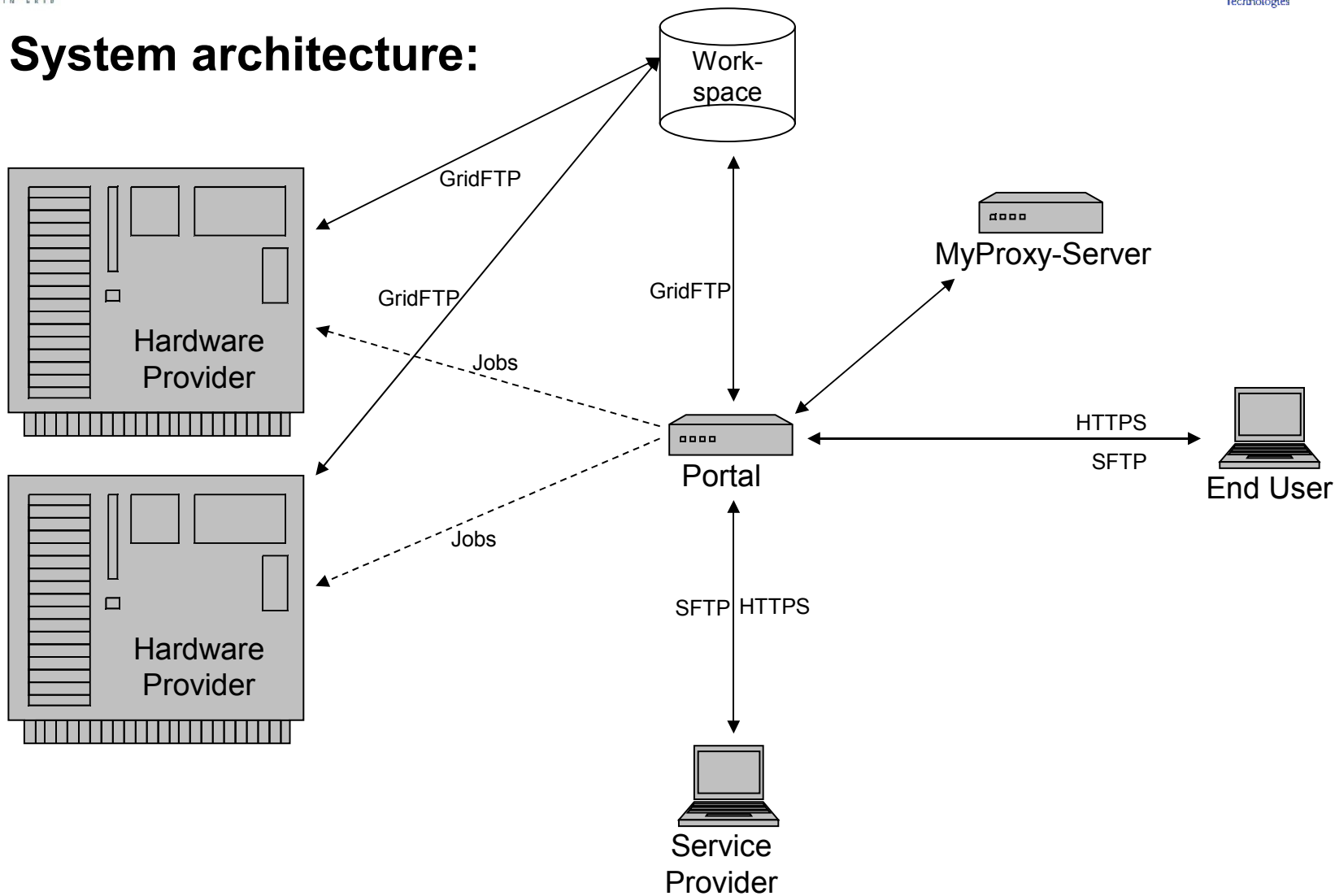
Hardware Provider:

Telco Provider:

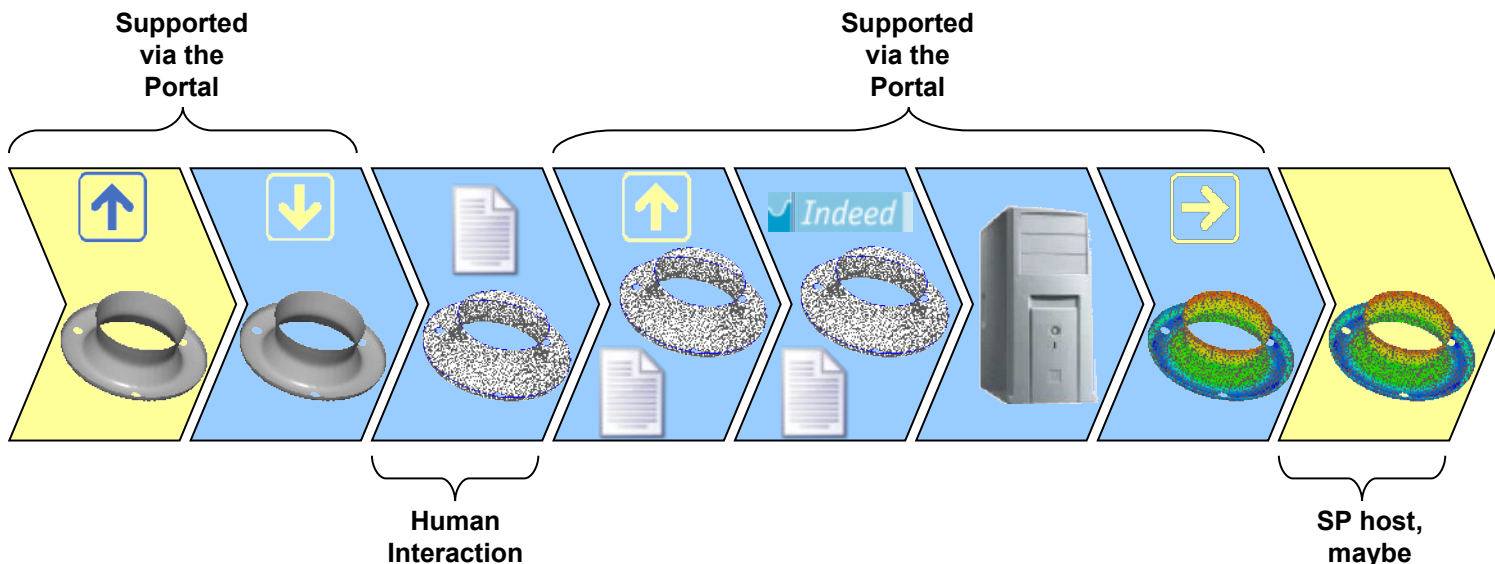
Automotive Supplier:

Bring it all together

- System architecture:



Business Case II: FEM Optimization



Current Situation:

Service Provider: A user uploads a file into the user workspace

Perform the optimization and trigger multiple simulation runs via a start script (as a temporary solution)

INDEED script, HW resource

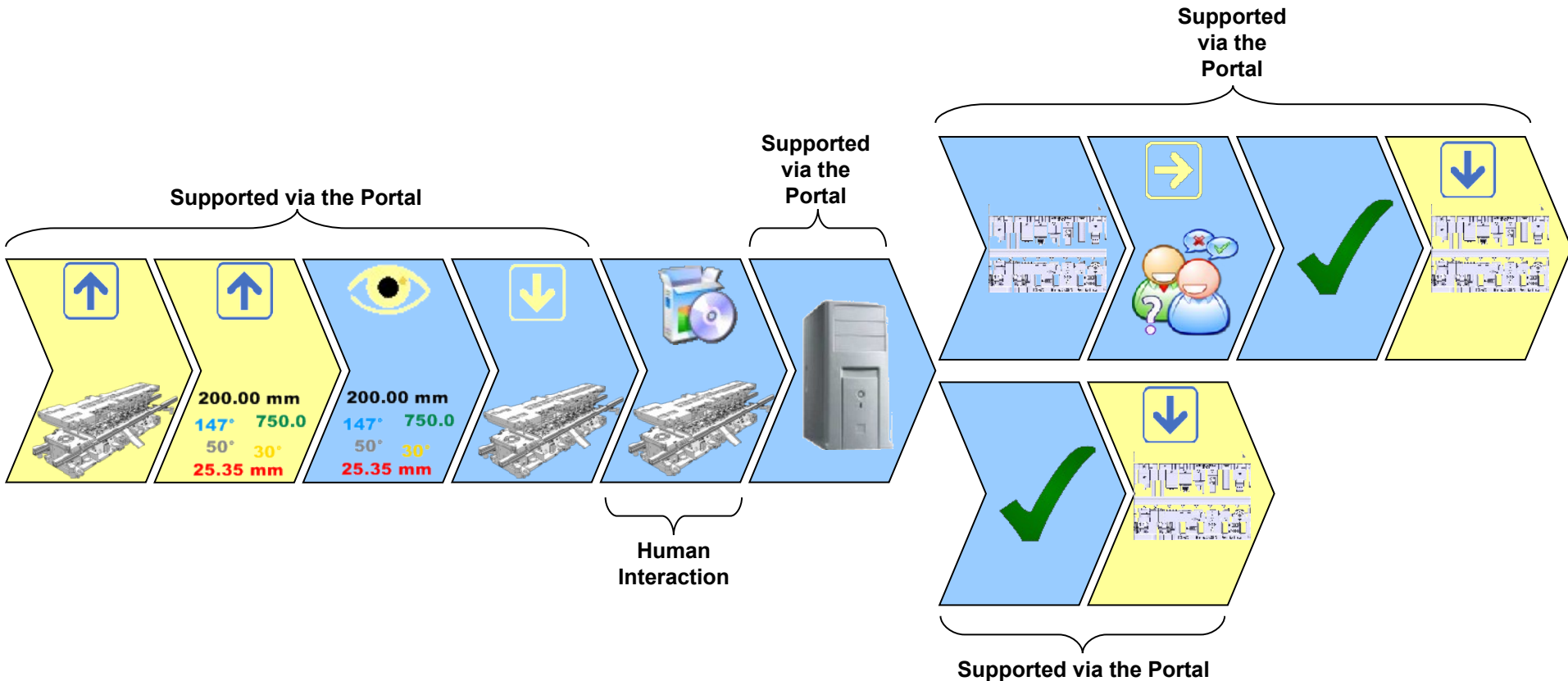
Planned Solution (already in progress):

Optimization grid service (already finished)

INDEED wrapper (grid service, already finished)

Integration of optimization grid service and wrapper in the portal with a portlet (to be done)

Business Case III: Kinematics Sim.



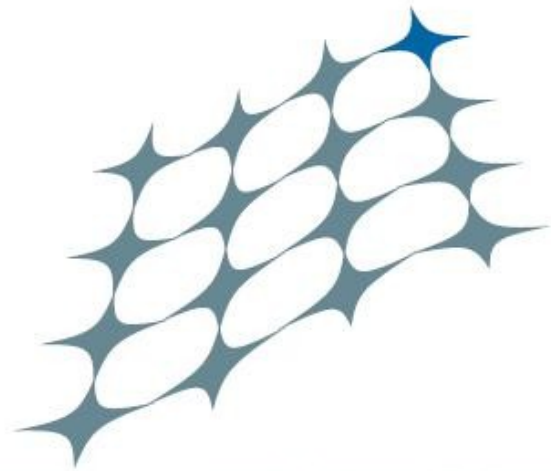
See Use Reports for details on the project. The project is available for use in the workspace.



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THANK YOU!