The quantity of information and knowledge accumulated in the world of manufacturing is extremely large and increase exponentially. The technology progress have permitted to store all this information without the problem of the volume. However, with the increase of the information amount, the organization and accessibility to the data appears today as a challenge. The challenge is to get the right information to the right person as fast as possible. In a competitive industry, accomplishing this is crucial. The LinkedDesign project aims to structure and share the knowledge between different actors in a manufacturing company, and make it easily accessible, in order to reduce time invested in searching for information or recreating the information already used in the past.

This project will present the latest technique and method available for modeling information. In particular the notion of ontology and knowledge brief will be explained. Finally, a study of a factory performing hot stamping manufacturing process will be presented. It will be shown how to conversion of information about process to an ontological model makes it more efficient for re-using and more accessible for all actors.

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