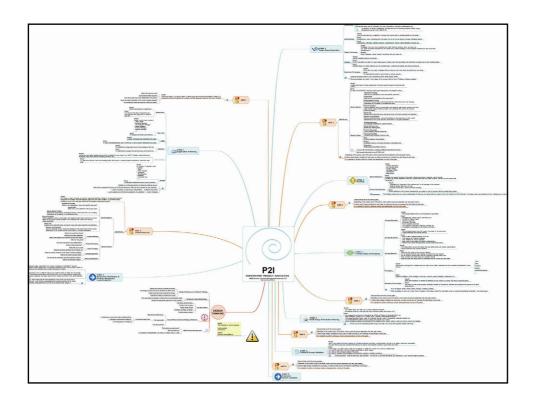


Examples from education of engineering designers from: ** LTU - lecture course • A process view • A challenge to extend the perspective • Another challenge collaboration in design teams ** DTU - project course • A product life synthesis view • Understanding a product's utility and providing it in a more efficient manner • Design of not just the physical artefact, but also the product life system Technical University of Denmark Technical University of Denmark







Case course @ DTU

- The student teams are first guided through an analysis of the initial product's product life cycle, yielding insights into four aspects of product design:
 - » identification of current environmental impacts,
 - » life phase systems the product encounters,
 - » activities that involve the human actor (i.e. customer) and the product,
 - actor-network that support and supply these activities throughout the product's life.
- Based on the analysis, goals are set for the improved solution and concepts are developed for a new product/service-system.
- This way the students are lead through
 - engineering and
 - » socio-technical analysis tasks and thereby laying the foundation for their
 - » synthesis work

in the concept development phase of the project



