Robustness evaluation in early phases of product development

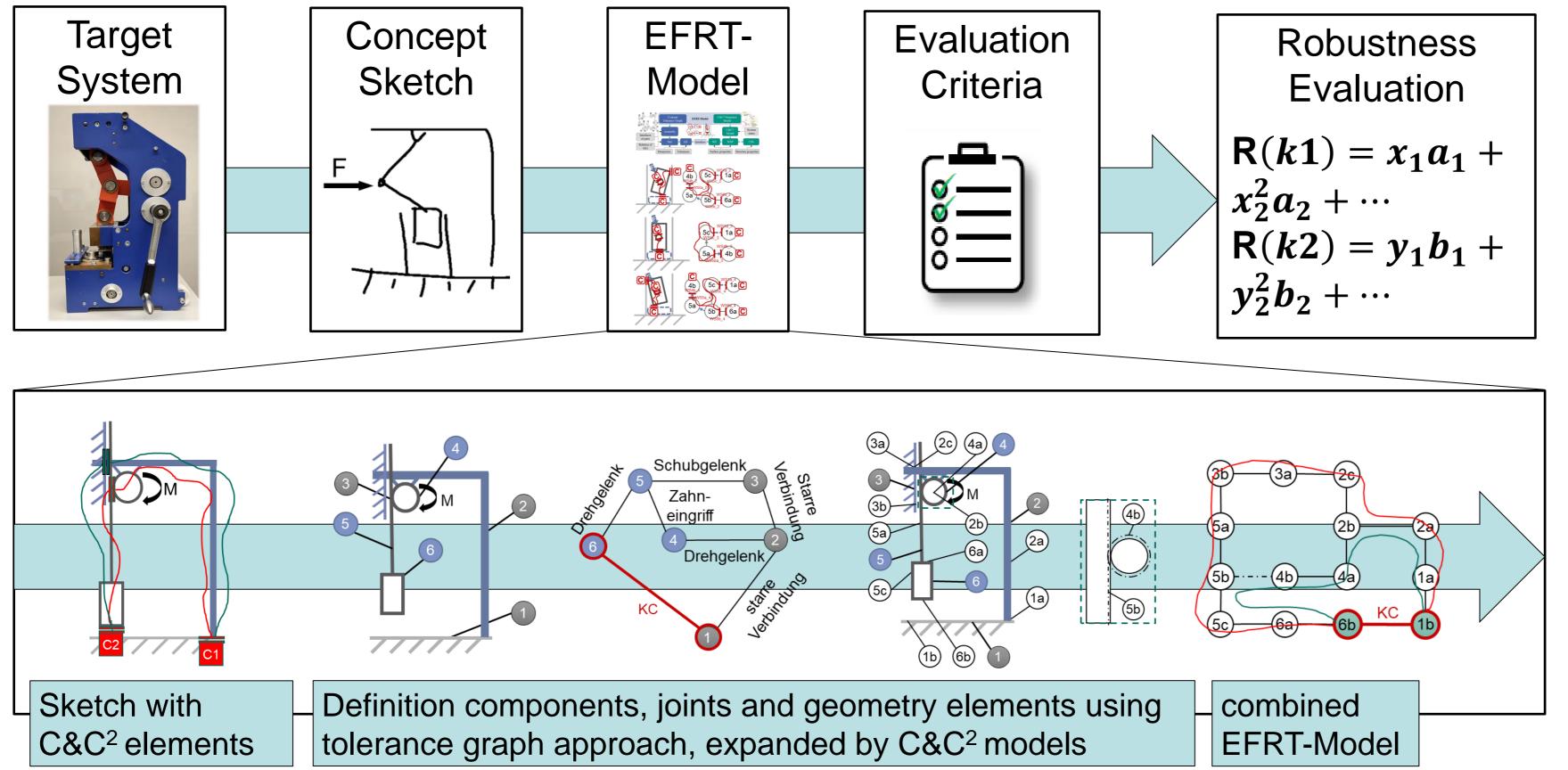
Why is an early robustness evaluation needed?

- Systems must reliably fulfill their functions throughout their life cycle.
- Classic robust design requires a well-defined geometry model that is only available ulletin later development phases, where iterations are costly.
- The EFRT-Model describes a product concept in terms of its functions in the early development phases without a defined geometry and evaluates its robustness.

Want to know which product concepts are more robust so you can save on costs for later iterations?

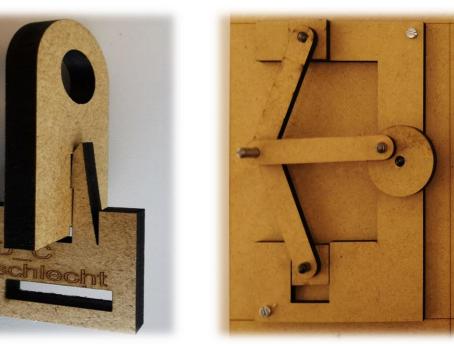
Robustness evaluation Embodiment-Function-Relation and Tolerance (EFRT-) Model





Please feel free to take part in our survey!

> Check out our demonstrator!



Selected criteria for the early robustness evaluation

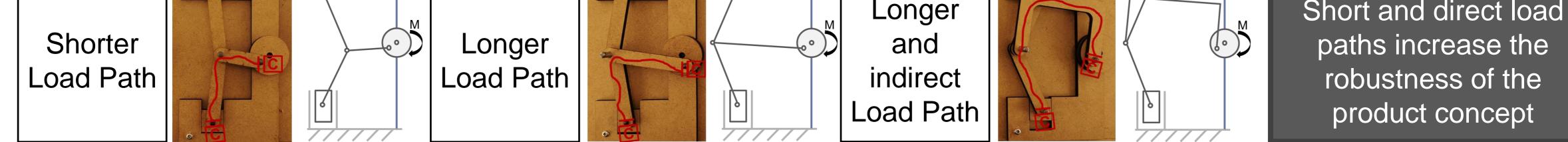
1. Criterion Load Path (can be determined via combined sketch)



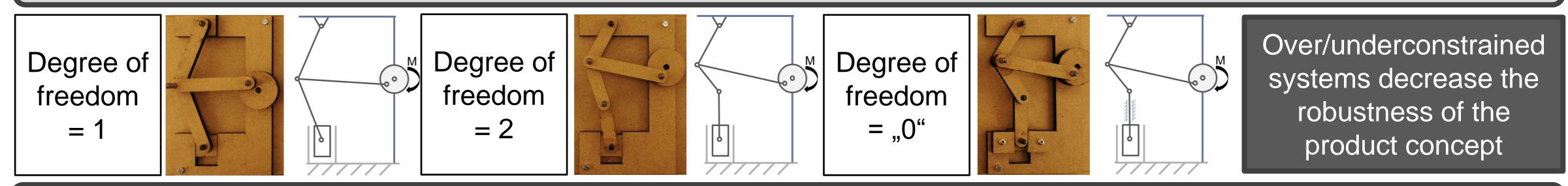








2. Criterion System Mobility (can be determined automatically in the EFRT-Model)



3. Criterion Design Clarity (can be determined via combined sketch)

