

# Topic 4

## Transmission / E-Axle CAD methodology development

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### Thesis extract

- To fasten the design process a methodology for the main structure should be developed
- The methodology should include gears, actuation, housing, e-motor housing.
- Definition of necessary input parameter list
- Creation of necessary templates
- Creation of necessary CAD structure with proper parameter system
- Creation of different models as first
- Interfaces should be established to the E-Motor simulation as well as to the gear simulation