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Application of Model-Based System Engineering Methodology for Composite Component Design Optimization

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As automotive engineers, we are trained to design and optimize complex systems and components by following certain design requirements. But in knowing how to design and optimize, we fail to ask why to design and optimize. What is the problem that our designs try to solve? Do our design requirements truly represent our expectations from our design? To answer these questions, my thesis brings a new methodology called Model-Based Systems Engineering to the automotive industry. This methodology introduces a structured approach in deriving design requirements and designing inherently optimized complex systems and components.



Partnerbedrijven

