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## Ready to print - Automated product design with Materialise e-Stage AM support

This use case features a radiator cover of a motorbike that serves as a carrier for start number and rider name for a motorcycle race. There are a lot of riders, but each part will be produced only once. Recurring design tasks are a perfect case for an algorithm that does the construction automatically. ELISE's software was used to develop a technical DNA that automates the entire product development process. The technical DNA consists of a component that reads the driver data via a spreadsheet import (e.g. Excel), an automated modelling process and a component which integrates the powerful e-Stage support algorithm from Materialise which finally enables the production-ready design.

The process is fully automated from the input of the driver's data to the printable AM part.



In cooperation with



Fully automated product development process using technical DNA

Ready to print part by integration of Materialise e-Stage AM support