Importing the Real World into CarMaker
Die ganze Welt in einem Blatt. Welches ist der Stadt Hanover meines lieben Vaters Landes Wappen.
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Capturing reality is key.
System Test (HIL)
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capture reality

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capturing reality is key
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capture reality ➔ Software Dev. (SIL) ➔ Component Test (HIL) ➔ Component Test (real) ➔ clear head start

System Design (MIL) ➔ System Test (HIL) ➔ System Test (real)
Use the atlatec sensor box to acquire the data. The sensor box is self-contained and setup time takes only minutes. Mass storage is included.

The recorded data is automatically translated into a 3D world model (raw data). The 3D world is geo-referenced with DGPS.

Atlasim comes with an annotation tool chain to label all relevant objects of the scene. Plugins are provided for partial automation (e.g. lanes).

The thus created surveyed 3D world model can be saved as a simulation file and thereafter be used in IPG CarMaker.

Simulate
Record
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Process
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Sensor Box
Data set will be made available for download with the upcoming IPG newsletter.
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The atlatec sensor box captures the environment with cameras and high resolution DGPS. A sample image is depicted on the right.
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