Pedestrian Protection Development Process

- Whole development from one source
- Developing the concept of passive as well as active variations
- Constructive detailing of chosen variations
- Virtual development is speeded up by simulation
- Real tests for validation of the concept
- Accomplishment of certification tests
Pedestrian Protection Development Process

**Emphasis on Pedestrian Protection**

Concept provides solution systems in the field of Pedestrian Safety.

We make our long experience Know-How beginning with a concept layout, constructive detailing and simulation up to reality tests on our in-house developed test system, available for you. Closing of the cycle around Pedestrian Safety occurs through the self-developed Active Hood.

Due to our accredited test system we have the ability to arrange certification tests in presence of a technical institution.

**Emphasis Pedestrian Protection**

- Equal the status
- Demonstration of influencing parameters
- Passive Solutions
- Active Solutions
- Illustration of a demonstration vehicle with Active Hood
- Concept of a potential sensor technique
- Concept- and Serial Development adequate to sensor techniques for active systems

**Tools**

- Test Data Base
- Pedestrian Safety Test System
- Self-developed FE-Impactors, validated to our test system
- PPA-Tool Software for definition of the test areas
- Web-Documentation: For our customers the access to all actual test results (simulation/testing) is possible anytime

**Tools**

- **SOP/series product**
  - design for series
  - prototype design
  - concept development
  - feasibility study
- **Simulation**
  - parameter studies
  - modelling
- **Project Management**
  - reviews
  - supplier integration
  - monitoring of dates
  - object controlling
  - change management
  - interface coordination
  - reporting
  - FMEA
- **Prototyping**
  - prototype determination
  - prototype tests
  - status report
- **Testing**
  - PT-parts tracking
  - final approval tests
- **Self-certification**
  - self-certification

**Concept is a development service provider in the field of vehicle safety. In particular we focus on the development of vehicle interiors, vehicle bodies, pedestrian protection development, crash/component tests, conformity of production tests and tests for special body manufacturer and much more, whereas virtual product development represents a key development tool alongside test investigations.**

Since 2012 Microsys is within the Concept Group and the combination of Microsys and Concept products provides the market with a fully integrated safety test solution for impactor and airbag testing.