



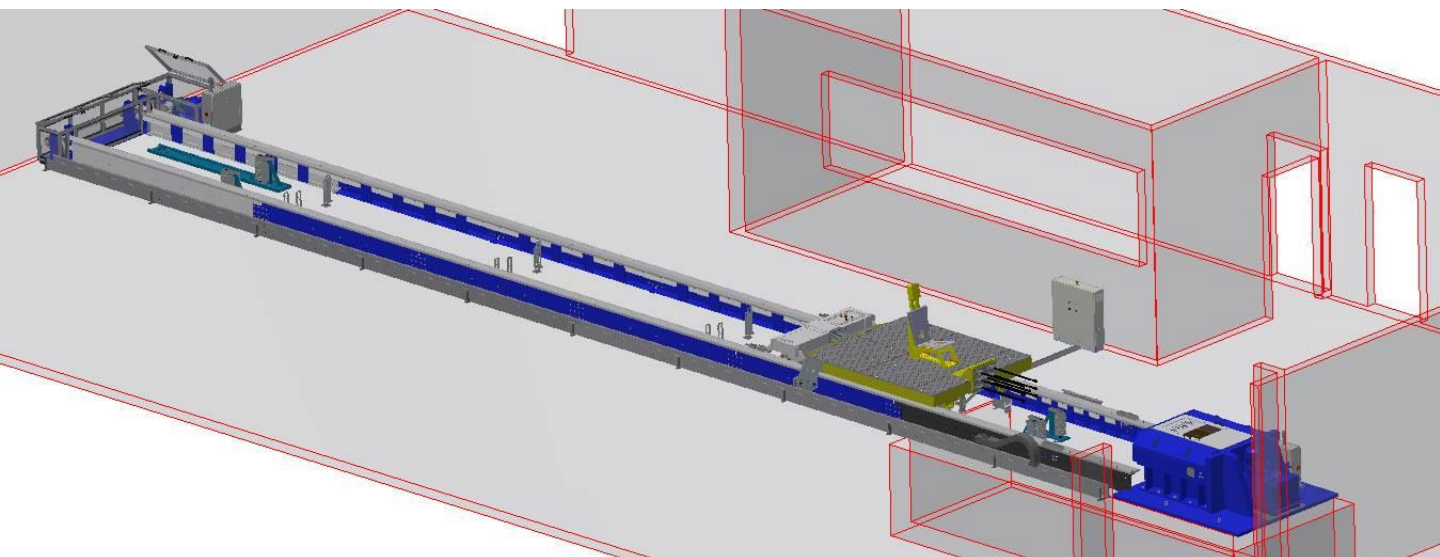
CRASH SIMULATION SYSTEM

The Crash Simulation System is a rail-guided platform propelled with the programmed speed and decelerated by means of an impact barrier, reaching the deceleration curves detailed in the different regulations.

This type of system is a low-cost solution for conformity of production (COP), homologation and development tests.

MAIN FEATURES

- Different propulsion methods : bungee cords and electric drive
- Different sled platforms configuration, prepared for guidance rails and/or crash tracks
- Velocity of impact up to 70 km/h
- Payloads to be tested up to 1500 kg
- Maximum deceleration up to 60 g
- Track length from 20 m
- Supply and integration of Lighting, DAS, HSV cameras, Sensors, Seats, Dummies,...



SPECIFICATIONS

| | 1 seat | 2 seat |
|---------------------------------|---------------|-------------|
| Dimensions (Length x Width): | 2.4 m x 1.5 m | 2.4 m x 2 m |
| Usable area (Length x Width): | 2 m x 1.5 m | 2 m x 2 m |
| Weight (w/o aluminium plates): | 650 kg | 800 kg |
| Weight (with aluminium plates): | 850 kg | 1000 kg |
| Maximum payload: | 850 kg | 850 kg |
| Maximum deceleration: | up to 60 g | up to 60 g |

Other performances upon request

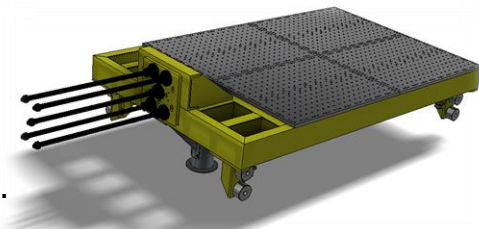
DECELERATION STOPPING BARRIERS

- Different types:
 - Polyurethane tubes
 - Bending bars
- Capable up to 2500 kg.
- Maximum deceleration up to 60 g.
- Optic sensors for PU tubes detection.



SLED PLATFORMS

- Available for 1 or 2 seats.
- Front plate with different configurations.
- Aluminum plates to fix seats, DAS, cameras, ...
- Adaptable for guidance rails and crash tracks.



CONTROL SOFTWARE

- Modular software to operate sled facility and control parameters.
- Database: Fast test preparation.
- Report Tool totally configurable.
- Speed and stopping distance in a single device.

