



I N P H Y S I C S W E T R U S T

4activeSB

The propulsion system for Euro NCAP VRU

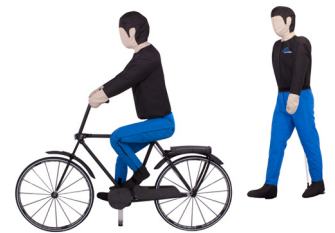
- ✓ to perform all AEB/AES-VRU test scenarios
- ✓ platform speed up to 20 km/h - correction of velocity via GPS
- ✓ complies with ISO 19237, ISO 22078, Euro NCAP, JNCAP, CNCAP, ...

Full synchro mode with all relevant driving robots and dGNSS-systems

- ✓ real time position data from/to robot - import/export drive files
- ✓ corrects LAT/LONG waypoint errors of driving robots (VUT)
- ✓ full synchro mode for a very accurate collision point

Easy transport and quick set up

- ✓ fast installation in about 30 min
- ✓ battery powered system - operating time up to 8 h
- ✓ active unlocking system to release the target before impact



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Performance

vehicle speed	100 km/h
platform speed	20 km/h
acceleration	3.5 m/s ²
system length crossing	35 m
system length longitudinal	50 m
power supply	110-230 VAC / 50-60Hz

Dimensions

weight driving unit	85 kg
weight deflection unit	60 kg
weight platform	12 kg
hight platform	25 mm

Euro NCAP scenarios

CPFA	✓
CPNA / CPNC / CBNA	✓
CPLA / CBLA	✓
CPTA / CPRA	✓

Key features

- ✓ fully compatible with all relevant robots/dGNSS-systems
- ✓ easy and fast assembly/disassembly
- ✓ easy operation via WLAN (laptop, control panel)
- ✓ automatic triggering of dummy articulations