



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

4activeFB-small

The only global solution fulfilling all Euro NCAP VRU specifications

- ✓ height and ground clearance for pedestrian targets (EPT)
- ✓ wheels of bicyclist target (EBT) have permanent contact to ground
- ✓ RCS levels according to international standards/test protocols



Fully synchronized operation with all relevant driving robots

- ✓ real time position data from/to robot - import/export drive files
- ✓ corrects LAT/LONG waypoint errors of driving robots (VUT)
- ✓ full synchro mode - synchronization of 5 independent platforms



Allows testing under rough conditions

- ✓ traversable by heavy vehicles - trucks (40 tons)
- ✓ waterproof with IP67 protection
- ✓ precise performance at high speeds (up to 72 km/h)



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Performance

| | |
|-----------------------------|---|
| speed levels | 30/50/72 km/h |
| acceleration longitudinal | + 3 m/s ² / - 5 m/s ² ★ |
| acceleration lateral | ± 3 m/s ² |
| turning radius | 0.5 m |
| ground clearance | 0-7 mm |
| maximum payload | 30 kg |
| battery charging time | ~ 1h ★★ |
| battery operating time | EPT > 6h / EBT > 3h / PTW >1 h(@50 km/h) ★★★ |
| positioning system | dual antenna dGNSS-IMU |
| dGNSS-RTK | L1/L2 GPS/GLONASS/BEIDOU |
| protection class | IP67 |
| operation temperature range | -10° to 40° C (-20° to 55° C) ★★★★★ |

★ depends on speed ★★ at 20°C ★★★ depending on acceleration ★★★★★ additional test equipment available

Dimensions

| | |
|----------------------|--------------------|
| length | 2200 mm |
| width | 900 mm |
| weight | 55 kg |
| transport dimensions | 1490 x 950 x 90 mm |

Key features

- ✓ fast and easy battery swap system
- ✓ easy and efficient testing under worst conditions
- ✓ stealth technology - very low radar cross section
- ✓ traversable with full loaded 40 tons trucks

