



MOBILE LANE SIGNALING SYSTEM

MLS Information

The Verdegro MLS is an innovative system designed for use as a Mobile Lane Signaling (MLS) or Mobile Road Information (MRI) solution. The system is available in multiple configurations and can be adapted to country specifications.

Different MLS systems available:

- MLS set (SKID + Trailer) equipped with Verdegro TMA-EU 70K NCHRP-350 TL-2 crash cushion
- MLS set (SKID + Trailer) equipped with Verdegro BLADE-TMA EU 100K CEN/TS 16786 TL-3 crash cushion
- MLS version United States equipped with Verdegro BLADE-TMA 100K MASH 2016 TL-3 crash cushion
- MLS version Middle-East equipped with Verdegro TMA-US 100K NCHRP-350 TL-3 crash cushion
- *Custom build MLS System according to customer specifications available*

TECHNICAL SPECIFICATIONS (GENERAL)

The MLS structure

The mast/arm is equipped with two hydraulic rams, positioned vertically and horizontally. It is mounted on a turntable and can be rotated 90° by a hydraulic cylinder over the road.

Horizontal Arm & Crash Absorber

The three-piece horizontal arm can be hydraulically extended to position the three LED displays / VMS over the desired lanes. A crash absorber is installed at the rear of the chassis. The total setup or downtime will not exceed 9 minutes.

The MRI solution

The MLS features a Mobile Road Information (MRI) function, allowing the LED displays / VMS to be positioned side by side. This creates a single, large display capable of showing extended messages or complex traffic information, making it highly versatile for lane management and advanced road signaling.

3- or 4-Lane Configuration

The standard setup is a three-lane configuration, with an optional four-lane configuration available. The fourth mast can be operated partially hydraulically or manually and retracted when not in use.

TECHNICAL SPECIFICATIONS (POWER & HYDRAULIC SYSTEM)

The generator and hydraulic unit are housed in lockable compartments. A 2-cylinder water-cooled diesel engine provides fully autonomous operation, with noise under 65 dBA. The fuel tank has a visible level indicator and can be safely refilled from the front. An emergency battery allows at least 24 hours of operation, with alerts if the system fails.

TECHNICAL SPECIFICATIONS (LED DISPLAY / VMS)

The LED displays / VMS use the latest EN12966 compliant technology. The symbols include:

- Arrow down
- White arrow – left and right
- Red cross with diagonal lines
- Speed limit 70 km/h and 90 km/h with red border
- Speed limit 70 km/h and 90 km/h



MLS SKID

TMA-EU 70K NCHRP-350 TL-2 crash cushion



MLS SKID + TRAILER

BLADE-TMA EU 100K CEN/TS 16786 TL-3 crash cushion



MLS UNITED STATES

BLADE-TMA 100K MASH 2016 TL-3 crash cushion



MLS MIDDLE EAST

TMA-US 100K NCHRP-350 TL-3 crash cushion

INFORMATION ABOUT MEASUREMENTS?

For detailed information on MLS measurements tailored to your country's specifications, please contact our sales department at sales@verdegro.com. Custom builds are also available – we are happy to help you find the solution that best fits your needs.