

CALLISTO: HY-RAIL

Inertial track geometry integrated with hy-rail vehicle



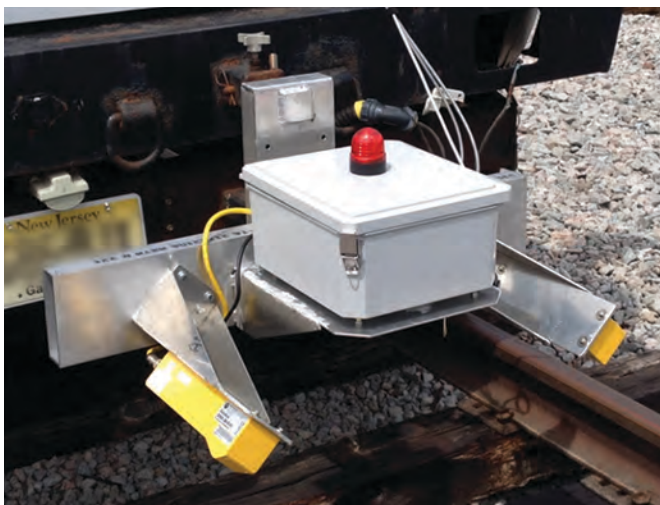
CALLISTO



DESCRIPTION

The Callisto: Hy-Rail track geometry measurement system allows for simplified track geometry measurement made from most standard hy-rail vehicles. This small, compact system measures and exception process standard FRA required track geometry channels at both low and hy-rail speeds.

The Callisto: Hy-Rail system contains a number of measurement devices working in unison to produce concise track geometry and track geometry exception reports including, Inertial Measurement Unit (IMU), which measures the force and angular motions associated with geometry variations; Laser/camera gauge reference system; and GPS.



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MEASURED TRACK GEOMETRY DATA

- Gauge
- Alignment (Left/Right)
- Curvature
- Surface (Left/Right)
- Crosslevel
- Superelevation
- Warp
- Twist

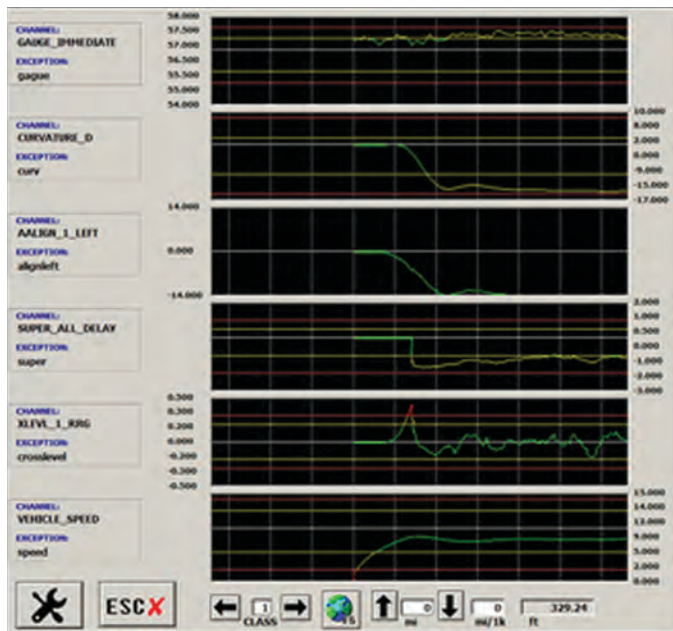


BENEFITS

- Low cost, precise, and accurate solution
- High speed recording Portable
- Minimal retro fit requirements for existing vehicles

FRA Compliant Exception Processing

Callisto: Hy-Rail user interface



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