



InnoTrans 2018
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**INNOVATIONS
AND TRENDS**

Intelligent LED based railway signal system



LedOnRail Railway Signal

LedOnRail signal was developed for the SIL4-environments. It combines efficient LEDs, specialized optics, sensors and software to monitor and control light flux, ensuring constant luminosity and color in all conditions and environments. Benefits are achieved by using a high density centered light source with only two high-power-LEDs in five colors (red, yellow, green, blue and white) according to standards. The signal integrates with relay and microprocessor telematics systems, allowing also one-for-one replacement of conventional lamps with one or two filaments, imitating bulb and shut-off. Adjustable software parameters can meet all national safety requirements, modular enclosures and optics can fit all lighting and mechanical infrastructures.

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Subject to further change