

# Vision Based Remote Monitoring of Trackside Friction Control Systems

**Status:** Filled

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## Project Description

LB Foster Rail Technologies provides wheel / rail interface technology solutions to the global freight and passenger rail industries. Included in the product portfolio is the “PROTECTOR® IV” (PIV) trackside friction control system, which applies KELTRACK® friction modifier to manage friction at the top-of-rail / wheel tread interface, as well as standard lubricants to the gauge face / wheel flange interface. The PIV system is installed adjacent to the right-of-way in revenue service (often in remote locations with little or no road vehicle access). A combined RF/GPRS based Remote Performance Monitoring (RPM) system is used in conjunction with a web-based database and user interface to allow for remote monitoring, diagnostics I

Analysis of system-integration requirements, allowing vision data to be transmitted