



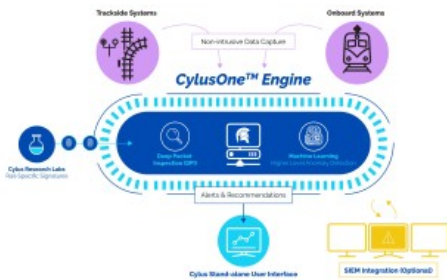
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**INNOVATIONS  
AND TRENDS**



## CylusOne cybersecurity solution for safety-critical rail systems



CylusOne Solution Architecture

CylusOne, the groundbreaking solution by Cylus Cybersecurity, provides in-depth visibility into the operational networks of railways. It detects malicious activities by applying patent-pending cyber technologies including deep packet inspection, machine learning and signature detection based on proprietary cyber research. Applying only passive listening methods and without any interference with operational or safety mechanisms, all traffic is mirrored non-intrusively and sent, via encrypted channel, to the Cylus real-time analytics engine on-site. CylusOne promptly detects threats and sends alerts to operators, enriched with automatic attack-chain assessments and effective mitigation instructions, keeping railways safe.

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