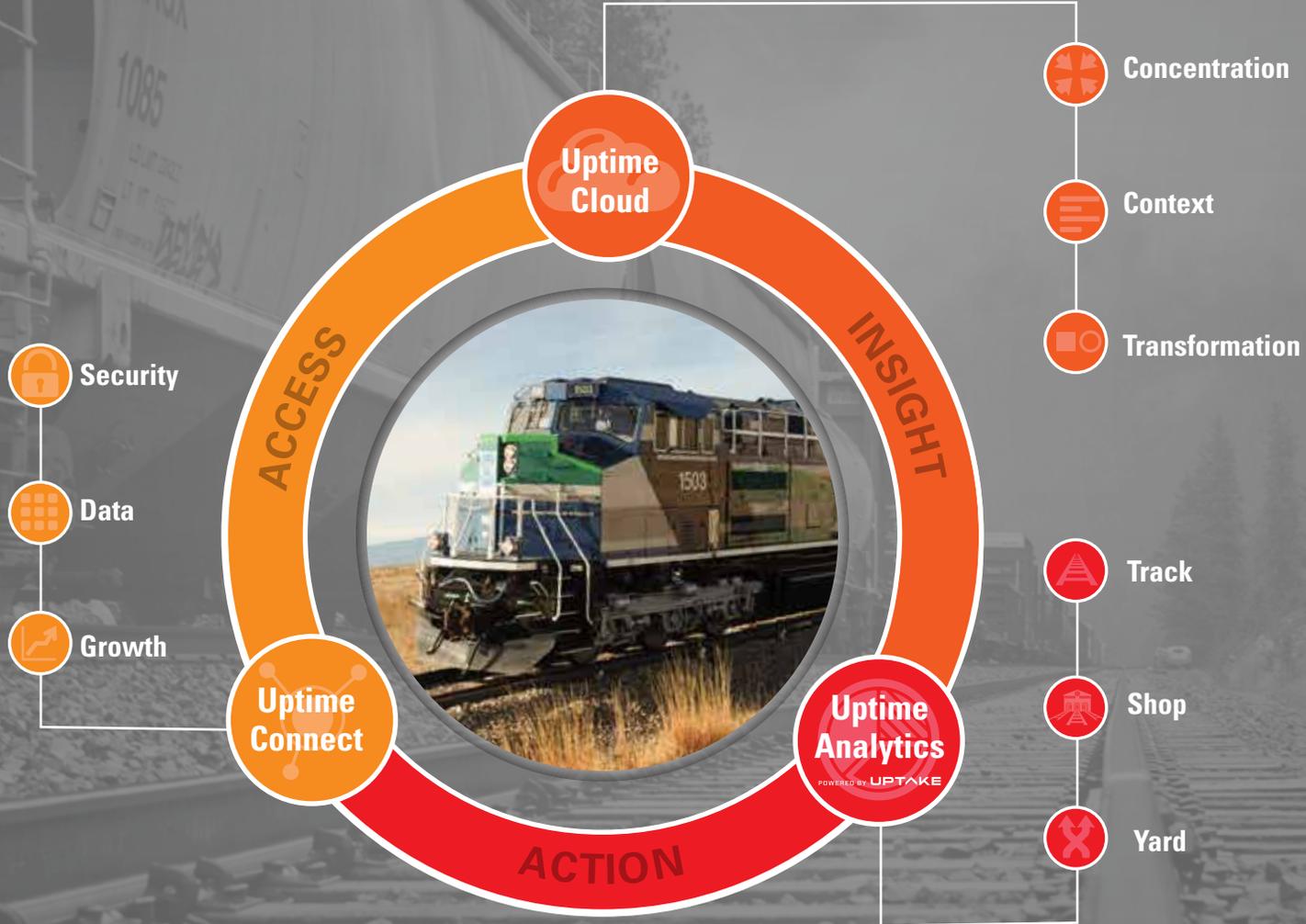


Uptime Suite



Uptime Cloud



Concentration

Uptime Cloud aggregates big data, storing it safely in a secure environment, ready for analysis. Uptime Connect and Uptime Analytics can access and crunch immense amounts of data quickly through the Cloud's multiple, scalable entry points.



Context

Uptime Cloud pulls concentrated data and consolidates it into categories, such as asset vitals, model and type, individual and fleet history, weather and geography, priming data for the Uptime Analytics platform.



Transformation

Uptime Cloud goes beyond data concentration and context by transforming data into actionable insights. The easier customers can scale and determine their data's worth, the better – working faster and harder with fleets, growing operations in a more profitable manner.

Uptime Analytics



POWERED BY **UPTAKE**

Take actionable insight from the data you've stored and kept connected. Easily make determinations to ensure the highest performance of your fleet.



Track

EMD Uptime allows railroads to make proactive mission decisions based off predictive alerts and to reduce service delays caused by mission failure. By enabling planned maintenance to replace unscheduled repairs, locomotives can generate more revenue at lower cost.



Shop

EMD Uptime's analytics help shops fix locomotives the first time they enter, leading to fewer repeat shoppings and fewer unnecessary shoppings. The target repair and troubleshooting guides from EMD Uptime's analytics focus the repair work to the source of the problem, decreasing shop cycle times. User feedback and repair closeouts facilitate machine learning allowing EMD Uptime's analytics to continuously improve. All of this leads to improved availability of locomotives.



Yard

EMD Uptime's predictive analytics provides a reliability index (health score) for locomotives and fleets to help railroads build better trains in less time and with less effort. Additionally, the platform helps users track their locomotives in the yard and creates better situational awareness across the organization using things like geo-fencing alerts.

Uptime Connect



Security

Maintain data security through Uptime Connect while efficiently and effectively managing operations. Connect protects rolling data centers and on-board computers by safeguarding against potential unknowns, such as malicious hardware installation. Connect ensures the highest level of security for on-board and off-board networks.



Data

Data accessibility and reliable communications are critical to capturing valuable insights. Uptime Connect uses multiple modems to constantly confer with Uptime Cloud and the railroad's back-office communications.



Growth

Not only does Uptime Connect ensure clear communications for the Uptime Suite, it also delivers transformative features for Uptime Analytics. Power Doctors can stream live data from assets for situational awareness, providing powerful prognostics. Video feeds, remote fault handling and other features help customers better maintain fleets. At current data levels, connected analytics equate to potential savings of roughly \$150K per locomotive, with advanced analytics proving even more valuable.