Towards an Enhanced Digital Twin for Predictive and Prescriptive Maintenance of Elevators & Escalator – Sustainable success with customer

Gian Luigi Di Lodovico
KONE

On top of single self-standing equipment, KONE provides Connected Services, creating capability to have real time data on system status. Thanks to smart sensors, delivering data thru IoT platform, KONE is able to understand equipment behavior, identify fault conditions and plan needed maintenance before equipment could fail. Such capability creates strong value for our customers, keeping equipment safe in operation, minimizing downtime, creating best people flow user experience.

Furthermore, physics-based simulation, mass data by equipment, integrated with data analytics, and machine learning capabilities, enables maintenance to step from simple "predictive maintenance" to enhanced "prescriptive maintenance", where equipment operation can be smartly adjusted to improve planned maintenance.