

Smart Technologies for Assessing & Reporting Runway Conditions

TEL is a developer, manufacturer, seller and after-service provider of airfield equipment, smart devices and sensors and operations management software, with a focus on facilitating safer and greener airfield operations by leveraging advances in state-of-the-art technologies.

In an effort to enhance aircraft take-off and landing safety, the International Civil Aviation Organization (ICAO) will implement a new Global Reporting Format (GRF) starting in November 2020. This will require airports to comply with stringent details when assessing and reporting runway surface conditions.

Working with academia, government and industry partners over the past several years, Team Eagle is the first to market with a suite of smart products designed specifically to help airports around the world respond to these new global reporting standards.



Braking Availability Tester



Runway Assessment Camera







Runway Condition Reporting Software



Aircraft Deceleration Early
Warning System



Runway Condition Reporting Decision Support Tools



Runway Condition Assessment Camera

Integrating specialized optical sensors and Artificial Intelligence (AI) software to accurately and objectively assess and report contaminants present on runways.



Aircraft Braking Availability Tester

Emulating an aircraft's in-situation anti-skid braking system operation to accurately and objectively measure the expected aircraft braking deceleration performance available for enhanced landing decision-making.





Runway Condition Reporting (RCR) Software

ChemicalOps[™] and WinterOps[™] electronic runway condition reporting software helps airports with ICAO compliance requirements. A comprehensive and scalable suite of software applications for enhanced situational awareness and audible record keeping.



Aircraft Deceleration Early Warning System - Coming Soon

An intelligent system that silently monitors aircraft landing data to notify global airport Operations and Air Traffic Control (ATC) teams of potentially slippery, or degrading runway conditions.

Supporting auditable reporting requirements for FAA-TALPA, ICAO-GRF.

