# Eagle
Aerospace

RCAM

Runway Condition Assessment Camera

Real Time, Objective Decision-Support Tool For GRF Reporting

RCAM takes the human subjectivity out of runway condition reporting by providing objective and accurate estimates of the percent of contaminate on the runway. This can be used to enhance the accuracy of GRF reporting as well as to provide realtime validation that contaminate removal is adequate to meet airfield operating objectives.

The System is designed to provide airports with a decision support tool for real-time, continuous runway condition assessment during changing conditions while improving assessment objectivity across operations staff.

Mapped to hhe Runway Condition Assessment Matrix for FAA-TALPA and ICAO-GRF mandated reporting.
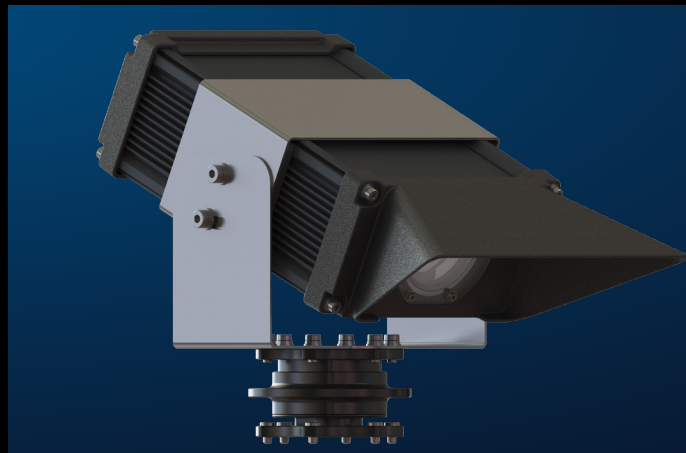
Supporting the Runway Condition Assessment Matrix and auditable reporting requirements for FAA,TALPA, ICAO-GRF.

RCAM also provides an auditable record, combining geo-spatialinformation with a photographic record of runway condition.
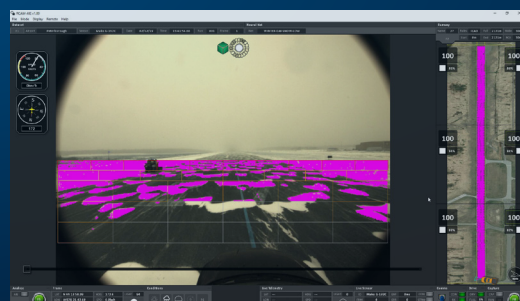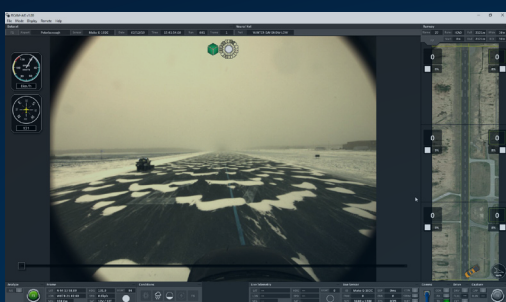
The RCAM system comes with a visual camera to assess percentage coverage and an infrared laser strobe to identify type and measure the depth. It also includes a GPS sensor for the vehicle and a Windows based machine learning platform that accesses a knowledge database to deliver a recommended Runway Condition Code.

Two vehicle mounting configurations including roof rack for cars, vans and back rack for trucks.
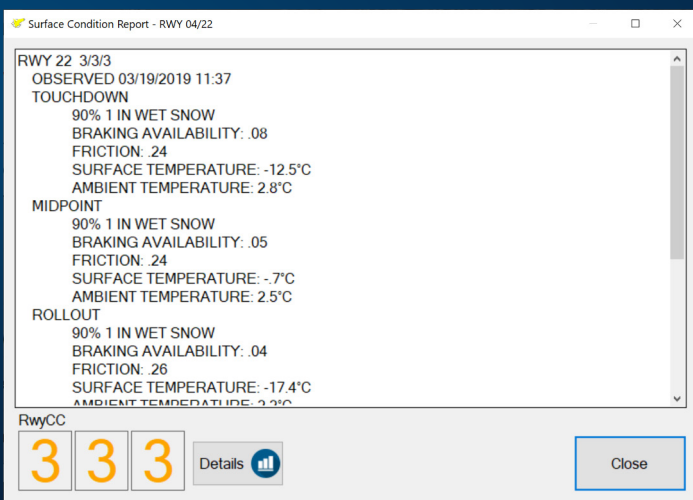
Software to Automate Reporting Requirements
The RCAM system feeds directly into WinterOps™ software integrating multiple data points from various sources such as temperatures and friction values for post analysis and real time reporting. It will generate the condition code assessment for review and confirmation by the user, with little to no human subjectivity or intervention.

Smart Technology
- RCAM 1.0 - Runway contaminant coverage assessment - available now
- RCAM 2.0 - Added capability to identify type and depth water-based contaminants - coming soon

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