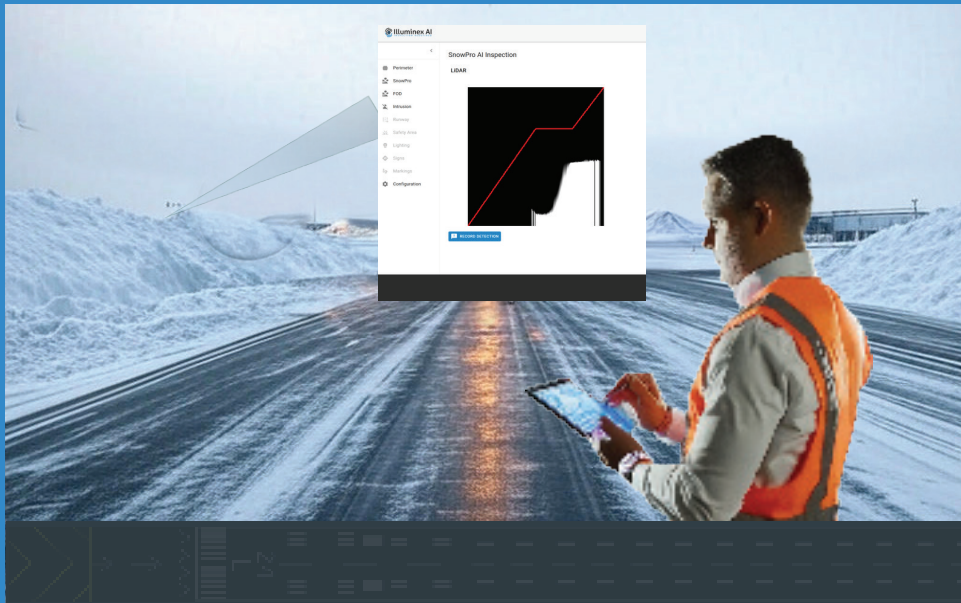


Reliable Winter Ops With Precise Snowbank Management



Measure, Flag, Tag, Comply

Smart Solution for Safer Airports

SnowPro^{AI} is a practical tool designed to transform winter airfield operations by addressing the challenges of snowbank compliance. Available as an additional detector module on your existing InspectEx platform or as a standalone kit, it leverages LiDAR and GPS sensor fusion to provide accurate, geolocated snowbank profiles along runways and taxiways. Responding to strict FAA AC 150/5200-30D and Transport Canada CAR Standard 322 requirements, SnowPro^{AI} tackles the limitations of slow, inconsistent manual checks. With a portable kit adaptable to any vehicle, it offers real-time insights, reduces compliance risks, and streamlines maintenance for safer, more efficient airport operations.



Transform observations into data, enabling actionable insights for safer and more efficient operations.

Measure

Accurate Profiling:

Uses LiDAR and GPS to capture 3D snowbank height, slope, and volume, even in low visibility. Operates up to 20 mph, with portable or permanent kits fitting any vehicle.

Flag

Detect Risks:

Detects snowbanks exceeding FAA AC 150/5200-30D or Transport Canada CAR Standard 322 limits, identifying areas of concern based on severity. Provides a map of non-compliant runway/taxiway segments for immediate action, with parameters adjustable to aircraft type and clearance needs.

Tag

Track & Report:

GPS-tags and time-stamps data for precise NOTAM reporting, with cloud-accessible maps (3-6m accuracy) showing trends and guiding snow removal via aligned GPS traces.

Comply

Stay Aligned:

Ensures compliance through automated, in-vehicle inspections, minimizing exposure and improving response times.