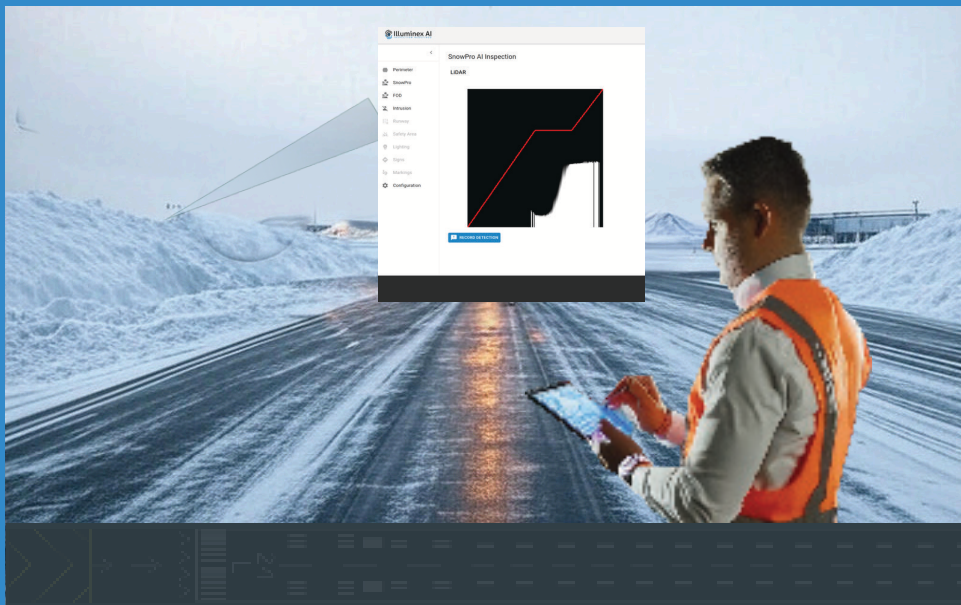# Illuminex AI
## INSPECTION REDEFINED

# SnowProAI

# 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 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.

# FORTBRAND
# AME

# 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.

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