

Kongsberg Aeronautical Information Services AS

Airplane-based system for assessment of stopping distances



Airline Operational Challenges

- **Need accurate information** about weather-caused runway surface conditions and stopping capability to plan for safe takeoff and landing.
- **Current reporting systems** have time- and accuracy uncertainty issues.
- **Runway overruns** are a recurring problem. Not only winter – rain too.
- **Recommendation** by NTSB to find systems for better reporting accuracy.

Product/ Service:

- **Subscription-based information service to airlines:**
 1. Provide **precise and frequent** runway surface conditions information in real-time for decision support.
 2. Distribution through channel partners that provide airlines flight operational information application software tools.

Value Proposition:

- **Increased Situational Awareness** by accurate, frequent and updated information provide airlines early insight and enable them to:
 - i. **Proactively mitigate risk** and avoid unwanted situations.
 - ii. **Improved contingency planning** by executing measures earlier.
 - iii. **Fuel savings** as a result of risk mitigation and contingency planning.

System & Technology

- **Kongsberg Aeronautical has developed:**
 - a. In collaboration with United Airlines Safety Dept., a proprietary airplane-based software to accurately assess stopping capability.
 - b. Resource contribution from Federal Aviation Administration.
 - c. A cloud-based data server to collect data and distribute information.

In contact with:



Total Addressable Market assessed to reach annual value of NOK 1 mrd. by 2031

Asia & China

North America

Europe

Other

Market Drivers:

- 1 Shortcomings to current reporting accuracy and relay-time of information.
- 2 Situational awareness is essential to operational safety and efficiency.
- 3 Airlines are looking for ways to reduce fuel burn and operational cost.

Information relay and integration with Operation Control Centers' user systems.

