# Certified worldwide terrain data for the aviation industry

## Lido Surface Data NEXTView

Discover the world's first **high-resolution geospatial digital elevation model** specifically designed to fulfil the needs of the aviation industry.

Inaccurate or outdated terrain data in your aviation applications and systems can pose a serious safety threat. This is why the Lido Surface Data NEXTView not only provides the **highest quality of data**, but also incorporates our **certified airport database** in the terrain computation process. This unique process substantially increases the **accuracy and reliability** of the dataset, particularly around airports, where the availability and precision of data is crucial.

Lido Surface Data NEXTView was developed in **collaboration with Intermap Technologies**, an industry leader in geospatial intelligence solutions with long-lasting expertise in the field of digital elevation models. By combining the expertise of both companies, we were able to create this novel product which **improves flight safety and situational awareness** for airborne and ground operations.

## Key benefits & features

**Worldwide Coverage**
100 % inclusion of the Earth's surface – 150 million square kilometers

**Detailed Surface Data**
Seamless 6-meter digital surface model (DSM) of the Earth

**High Vertical Accuracy**
Up to 3-meter vertical accuracy that meets ICAO Annex 15 specifications

**EASA Certified**
Fulfills all relevant industry standards and is certified according to EASA Service Provider Certificate Type 1

**Aerodromes**
Detailed modeling of aerodromes and runways

**Up-to-date**
Data continuously updated to address shifts in an ever-changing environment

# See the difference

Our **safety-critical** aeronautical navigation database drastically reveals islands, terrain, and obstacles that are missing or incorrect in other datasets.



Blackrock Island, Ireland

SRTM



Blackrock Island, Ireland
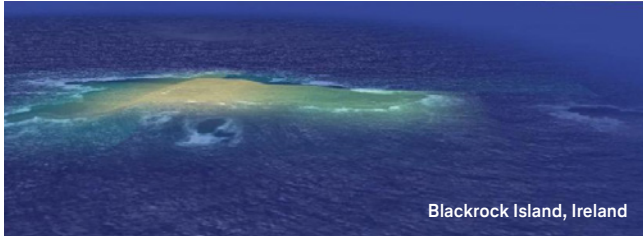
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## Designed for aviation applications

Aviation applications **require reliable up-to-date elevation data** as safety is paramount. Lido Surface Data NEXTView is specifically designed for aviation applications and systems, including:

- synthetic vision systems (SVS) and combined vision systems (CVS)
- terrain awareness and enhanced ground proximity warning systems (TAWS, EGPWS)
- flight planning, procedure design, and performance calculation
- charting, maps, navigation, and simulation
- emergency landing site location evaluation, and drift down procedure calculation
- drone operations, drone planning



Increased safety with the incorporation of highly accurate airport details.

## Detailed specifications

| | |
|---|---|
| **Coverage** | Worldwide |
| **Data type** | Digital surface model (DSM) |
| **Posting** | 6.0 m (nominal, varies by latitude) |
| **Absolute vertical accuracy** | 3.0 m – 20 m LE90 (depending on surface and slope) |
| **Absolute horizontal accuracy** | 5.0 m CE90 |
| **Projection/datum** | Geographic, WGS84 datum, EGM2008 geoid |
| **Certification** | Commission Implementing Regulation (EU) 2017/373 (EASA Type 1 Certification) RTCA DO-200B, RTCA DO-276C, RTCA DO-291C |
| **Building coverage** | > 80 % of buildings in populated areas worldwide |
| **Data update** | Continually updated |

→ For more information please contact marketing@LHsystems.com