< aixm : name > PETRONA TOWER < /aixm : name >
< aixm : type > TOWER < /aixm : type >
< aixm : lighted > YES < /aixm : lighted >
< aixm : VerticalStructurePart gml : id = '' C1F1ED07-0448-46B9-A2A0-D66F49F24D77'' >
        < aixm : VerticalExtent uom = "FT" > 1.483 < /aixm : VerticalExtent uom = "FT" >
        < aixm : designator > 20834728 < /aixm : designator >
        < aixm : horizontalProjection_location >
            < aixm : ElevatedPoint gml : id = '' C1F1ED07-0448-46B9-A2A0-D66F49F24D77''
srsName = ''urn : ogc : def'' >
                < gml : pos > 3.158139 101.712417 < /gml : pos >
                < aixm : elevation uom = "FT" > 1.483 < /aixm : elevation >
                < aixm : verticalDatum> EGM2008 < /aixm : verticalDatum>

            < aixm : ElevatedPoint >
        < aixm : horizontalProjection_location >

< aixm : part >

Lido Surface Data Obstacles

Standardized database containing over 5 million obstacles.

Enhance safety with certified data

Lido Surface Data Obstacles provides one of the world's most comprehensive obstacle datasets, now covering **over 5 million** obstacles across all continents. Our data is designed to meet the exacting standards of aviation safety and is updated regularly to ensure that every detail you see is both current and accurate.

Each obstacle record contains over 60 unique attributes, offering deep insight for precise analysis. Whether your operations involve commercial aviation, drone flights, or specialized low-level missions, our database delivers the information you need to operate with confidence.

Lido Surface Data Obstacles include enroute and aerodrome obstacles such as towers, high antennas, cranes, and even natural features.

Obstacles over Dubai

Key benefits & features

Worldwide coverage
- Standardized database containing more than 5 million obstacles across the globe.

Detailed information
- Extensive metadata describing each obstacle with over 60 attributes.

EASA certified
- Complies with all relevant industry standards and certified according to the EASA Service Provider Certificate Type 1.

Various export formats
- Database allows for obstacle exports in various formats: CSV, ESRI Shapefile and AIXM 5.1.

Always up-to-date
- Updated every AIRAC cycle for maximum reliability.

Reliable sourcing
- Obstacles collected exclusively from authoritative sources.

True geometry representation
- Export as points, lines, or polygons — preserving the exact shape and location of each obstacle.

Lufthansa Systems

Worldwide coverage.

Visualization of Lido Surface Data Obstacles – brighter areas indicate a higher density of obatacles

True geometry for greater safety

Lido Surface Data Obstacles is available not only as a point database, but also as true line and polygon features. This is critical for representing the real-world geometry of complex structures. Especially for low altitude flight operations, having access to the actual geometry representation of flight safety critical obstacles, such as transmission lines, or cable cars, improves flight safety significantly.

Lido Surface Data Obstacles as true line & polygon features

Reliable sourcing and coding

We use only authoritative sources such as Aeronautical Information Publications (AIPs), electronic Terrain and Obstacle Data (eTOD), and official NOTAMs. Our expert team processes these sources using standardized coding rules and advanced georeferencing techniques. This ensures that every obstacle is precisely located, even when extracted from complex aeronautical charts.

Multiple quality control steps — from automated validation to manual verification — are performed throughout the workflow, ensuring every record meets the highest accuracy standards. This rigorous process is what allows us to maintain EASA Service Provider Certificate Type 1 certification.

Versatile applications

Thanks to its flexible design and export options, Lido Surface Data Obstacles can be integrated into:

- Terrain awareness and EGPWS systems
- Synthetic / enhanced vision systems (SVS, EVS)
- Aeronautical charting
- Performance calculations
- Flight planning
- Drone operations and planning
- Procedure design
- And many more

For more information please contact marketing@LHsystems.com

Let's fly smarter