L3HARRIS™
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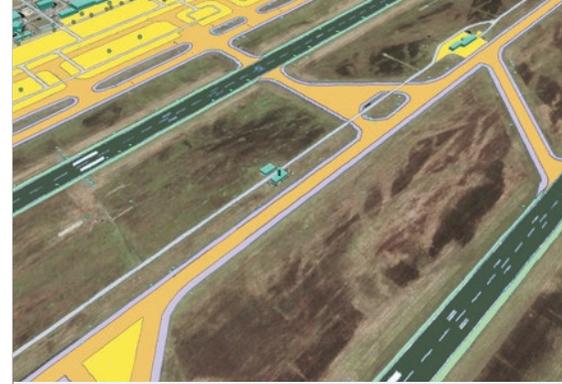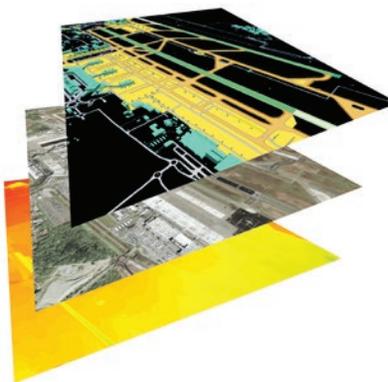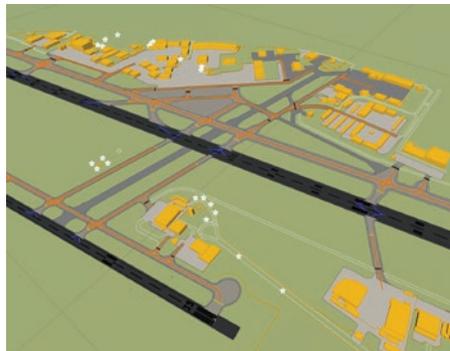# AERODROME MAPPING DATABASE (AMDB)

L3Harris' AMDBs are accurate and high quality GIS datasets that can be used to efficiently supplement surface navigation in a wide variety of airport-related activities. AMDBs are compliant with multiple industry standards and are comprised of correlated imagery, elevation and vectors that describe the spatial layout of an aerodrome.

Vector data layers represent the geometry of the aerodrome and contain attributes that provide further information characterizing the aerodrome's features and their functions, such as unique identifiers, surface types, heights and much more.

Multiple user groups can benefit from using AMDBs:

> Pilots

> Air traffic controllers

> Apron controllers

> Surface vehicle operators

> Construction and maintenance crews

> Emergency and security personnel

> Commercial and cargo operations personnel

> General aviation operations personnel

RUNWAYS

VERTICAL STRUCTURES

TAXIWAYS

OTHER DATA

APRONS

AMDB layers are derived from satellite imagery which has been georeferenced using survey ground control points. Key airport features are digitized from the georeferenced imagery, resulting in location-specific point, line and polygon vector feature classes.

AMDB layers are organized into five categories related to their function within the aerodrome: runways, taxiways, aprons, vertical structures and other data.

Depending on the features present in the specific aerodrome, up to 43 unique layers may be included in the AMDB. These layers encompass surfaces, locations, structures, objects and operational features such as aprons, runways, buildings, lighting, taxiway guidance lines, intersections, holding positions, service roads, frequency areas, markings and many more.
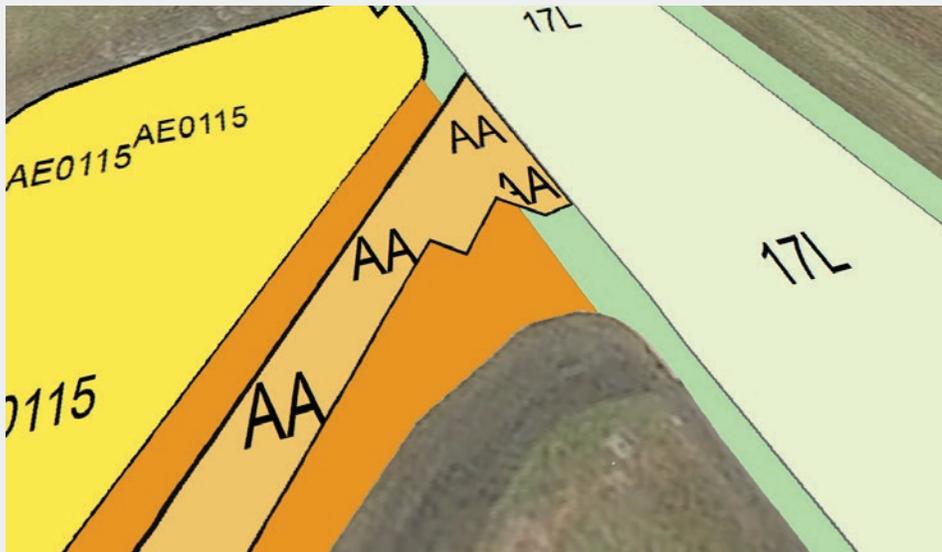
Detailed attributes are added to the vector objects using image interpretation, publicly available airport diagrams and customer-provided data. This attribution provides additional information beyond the spatial location, allowing the user to have access to specific details relating to characteristics and the function of the aerodrome features.

AMDB vector layers are provided in shapefile format. Supported layers are also available in AIXM and AMXM schemas.

FOR MORE INFORMATION:

www.L3HarrisGeospatial.com

Email: geospatialdata@L3Harris.com
Phone: 303.786.9900

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385 Interlocken Crescent, Ste 300
Broomfield, CO 80021
t 303 786 9900
geospatialdata@L3Harris.com