

Leica ADE Mobile Fact Sheet

Business Benefits

Leica ADE Mobile allows an organization to edit location-based data in real-time directly to an Oracle database using GPS or WAP enabled mobile devices. Leica ADE Mobile provides all the functionality of Leica ADE Enterprise to enable field force automation of operational and analytical processes on a mobile device. Connected or disconnected data integrity persists at the database to enable maximum security to corporate assets.

Leica ADE Mobile provides a low cost yet scalable alternative to other GIS base hand held applications and requires no additional integration or deployment. This real-time, interactive technology eliminates the need to capture and reprocess location information or spatial updates in another GIS processing engine thus eliminating repetition of work and associated delays. This easily customizable application can be deployed globally without additional onsite implementation or support, "*develop once, deploy everywhere*".

Leica ADE Enterprise forms the back bone of the remote and mobile Leica ADE technologies using a common user interface.

Business benefits include:

- Low cost powerful solution.
- Highly scalable.
- Real-time data capture
- Interactive mobile enterprise integration and access across multiple locations
- Single code base for all Leica ADE Suite of product for connected, disconnected and occasionally connected users.
- Same software functionality available to all users.
- One application deployed for enterprise and remote users.
- Simple and easy to use.
- Deployable two or three tier architectures (complete flexibility).
- Complete integration with Oracle 10g technology platform.
- Single development environment for mobile and remote applications.
- Low training costs (common user interface).
- Minimum software management costs (one product to manage).
- Easily customized

Key Features

- Stylus adapted data editing capability to support PDA devices
- Oracle 10g Locator, Spatial & LRS- supports full editing of Oracle 9i/10g Locator, Spatial and Oracle Topology geometries and attribute data.
- Oracle 10g Topology: Leica ADE Enterprise offers full editing of Oracle 10g Topology data. This allows for the quick and easy determination of topological relationships, consistency of data, no redundant storage of data, and easier analysis of connectivity and network data.
- Tolerance and Snapping: Leica ADE Enterprise provides a comprehensive tolerance and snapping capability that radically improves productivity and reduces risk of operational error.
- Polygon Editing: Leica ADE Enterprise includes a complete set of polygon editing tools that support topological maintenance of polygonal geometries. Spatial relationship

- maintenance is also supported.
- Attribute Engine: Leica ADE includes a comprehensive set of attribute editing capabilities, from automated data validation to automatic data prompting.
 - Segmentation Engine: Leica ADE can control the automatic segmentation (splitting) of crossing features. If features inadvertently cross themselves or other features, ADE will split them at the points of intersection and create all relevant objects.
 - Feature Topology Associations: Leica ADE supports the association of topology primitives to pseudo primitives and features. This offers full control of the topology management and enforces third party business logic where necessary.
 - Locking: Leica ADE editions support both optimistic and pessimistic locking principles.
 - Imagery: Leica ADE editions support the backdrop of multiple imagery layers in multiple formats.
 - GeoRaster: Leica ADE supports the backdrop of Oracle GeoRaster imagery.

Requirements for Web Capability

Operating Systems:

- Microsoft Windows CE

Database:

- Oracle Database 8i/9i/10g with Oracle Locator or Spatial

Application Server:

- (For ADE Web capability) Oracle Application Server 9i (9.0.4.0.0) or better. ADE supports a standalone OC4J installation as well as the full enterprise Oracle Application Server.

Client:

- NO OTHER CLIENT SOFTWARE IS REQUIRED.

Licensing

Designed for low cost Oracle Spatial geometry editing, Leica ADE Mobile is licensed per device on a named user licenses. Leica ADE Enterprise License is an application server prerequisite. Leica ADE Enterprise is a pre-integrated extension of Oracle Applications Server's MapViewer and requires a separate installation of Oracle Application server Java Edition license. For more information on licensing please contact: leicaade@gi.leica-geosystems.com.