

Airfield Pavement Evaluation (APE) Toolkit



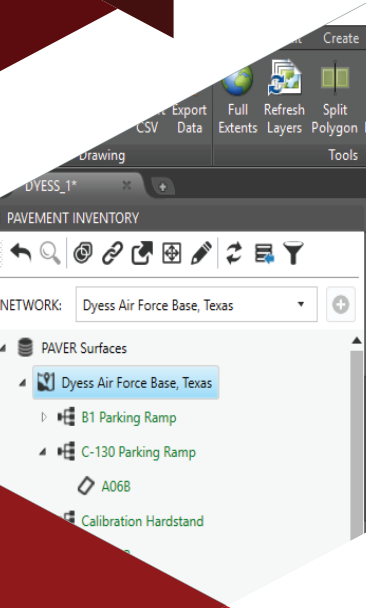
Airfield Pavement Evaluation - Makes Inventorying and Integration a Given - Not Just a Goal

Why APE Toolkit?

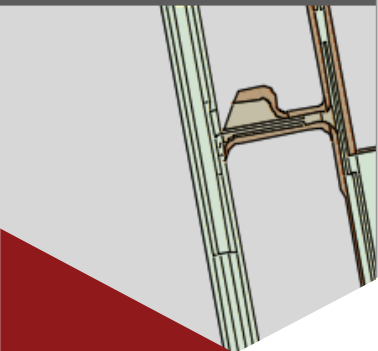
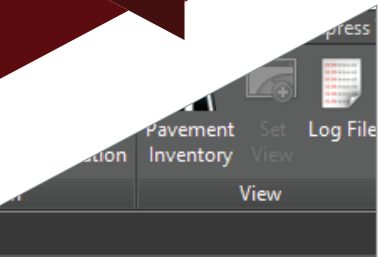
In 2012, the Air Force Civil Engineer Center (AFCEC) wanted to improve their APE processes and systems to further support their mission of providing warfighters and major commands with timely and accurate airfield pavement evaluations. The solution would then allow engineers to more efficiently manage pavements, and allow planners to make accurate mission determinations in extraordinary environments worldwide.

Being Autodesk products played a key role in the current and future Air Force civil engineering requirements, AFCEC elected to enhance the Autodesk software product capabilities as they relate to the APE processes. The effort would entail processing map data, data from existing sources, and developing mapping standards to manage structural, PCI, SCI, EA, and friction data.

A key feature of this development required the linking of existing geospatial data to evaluations gathered from CRG, Air National Guard Teams, RED HORSE, AFCENT, etc. The initial phase of this development included the linkage of standard map templates to existing pavement evaluation report spreadsheet and then ultimately, linking each base map with a central pavement evaluation database.



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Inventory.Manage.Analyze. Plan

The APE Toolkit unites and correlates information from PAVER™ and other sources of information into Autodesk's 3D MAP. By correlating authoritative source information from past pavement evaluations with new surveys, the APE Toolkit allows you to perform updates for recently completed inventories, examine issues and/or changes identified, and further analyze airfields for their condition. Custom topology tools allow you to add, modify, validate and fix errors through the use of this simple and easy to use toolkit. Users are also able to symbolize conditions and develop many different types of layouts to collaborate on their findings.

Link Data, Don't Try to Steward All Data

The software links and organizes pavement inventory data and automatically identifies issues - sharing the right information with the right people at the right time - to effectively update and improve this data. There is no one shot set of tools to inventory data, so being data agnostic enables others to use a variety of data.

Powerful topology and editing tools allow you to quickly make updates to complex sets of data.

APE Toolkit Plays Well With Others

Inspections are rarely afforded the luxury of being consistent and standardized. The APE Toolkit provides an open integration interface that delivers robust, flexible interaction with a variety of data sources and offers a set of integration workflows to bring in existing inventory data.

Contact Us:

Dynamic Software Solutions, LLC
4400 E. Highway 20, Suite 511
Niceville, FL 32578
Email: info@ds2corp.com
Phone: (800)725-7304