



Delivering the Power of Spatial Information

Tri Global Trimble AUD Integration

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Proprietary and Confidential

About Spatial Business Systems

Delivering the power of spatial information

- Full-services solution provider for geospatial technologies in the utility, telecommunications and government market sectors

- Integration Partners with major spatial tools and platforms



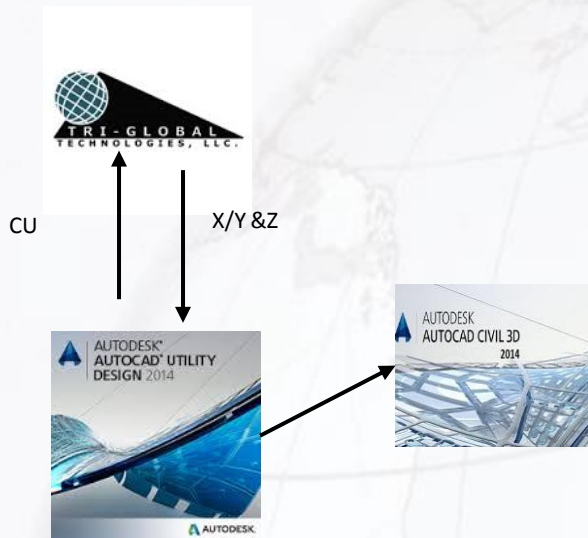
PARTNER
software

- Offices in Lakewood, CO and Melbourne, Australia
- Data management, project management and spatial application business strategy consulting
- Integration product solutions

Tri Global Trimble AUD Integration

- Utility Data Hub Geospatial solution now supports AUD integrated with Tri Global Trimble based solution
 - Tri Global is one of the leading Trimble solution provider
 - Developed a Field Staking application to augment standard Trimble capabilities to support Staking workflow
- Integration supports Field Staking for Electric distribution and Field Auditing for Electric/ Water/ Wastewater/ fiber

Overview



- Solution utilizes native functionality of Field Staking, and Infrastructure Design Suite or just AUD
- Customer can select the appropriate Trimble hardware for their situation
- AUD can be deployed stand-alone or integrated into infrastructure for CU data

Field Staking Workflow

- AUD exports Work Order to Customer's Trimble device
- AUD exports Compatible Units to Trimble device
- Staker captures coordinates (X/Y & Z) of take off point using Trimble device in the field
- Staker lays out design using Tri Global field staking package on Trimble capturing point and linear feature coordinates and associating to loaded
- Captured CU and associated Coordinate Data is exported to AUD
 - Poles, conductors, transformers, etc

Field Staking (cont.)

- Using standard AUD tools Staker converts field captured CU's into AUD objects
 - Coordinates are utilized by AUD
- Staker uses AUD validation and analysis capabilities to verify design
 - If desired, Staker exports data from AUD to Civil-3D in order to create and utilize detailed land profile during Staking
- AUD creates engineered material list and Staking package based on structural, electrical and land analysis

Field Auditing

- AUD exports CU's to Trimble loaded with Tri Global Field Staking solution
 - NOTE: Solution supports any domain that has CU's defined to include: Electric/Water/WW/Gas/Fiber-Telecom
- Field Audit captures the XY&Z coordinate of a point feature
 - Captures the Z coordinates of CU point features attached to the Parent Feature (e.g. height of each pole head)
 - Captures the Z of linear CU's attached to a point feature
 - Captures and documents the point feature linear CU is attached
 - Coordinates of down stream feature are captured

Field Audit

- Solution supports capturing attribute information of CU's
- CU's, coordinates, attribute data, connected features are imported into AUD
- AUD converts CU's into AUD features
- Using AUD Industry Model to GIS Mapping features are exported to GIS

Discussion and Questions

Spatial Business Systems

www.spatialbiz.com

Peer User Group Forum

<http://blog.spatialbiz.com>

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