

ConflateXTM

SOLUTION TO OPTIMIZE CAPITAL INVESTMENTS

Key Business Drivers

1.

Maintain network data integrity to support business workflows
2.

Accurate traceability of subsurface assets for maintaining and avoiding any impact on third party assets
3.

Improve operational efficiency for emergency and outage management
4.

Support compliance to regulatory requirements
5.

Ensure service reliability, and improvise decision making ability

ConflateX is a scalable data conflation solution that addresses the key business challenges of improving spatial accuracy and data integrity of network assets by aligning them to a more precise and accurate real world system.

ConflateX has industry specific workflow that can be further customized, utilizing both automated and interactive conflation techniques to achieve operational objectives.

Solution Highlights

- Integrated workflows to handle large volumes of datasets
- Implementation over Esri ArcMap & ArcGIS Pro supporting all industry standards
- Conflates network to target landbase, LiDAR and/or aerial imagery
- Business rules driven, highly customizable solution
- Programmatically-driven links to ensure higher precision & relative accuracy
- Dynamic cell based transformation, to ensure no data distortion
- Comprehensive audit trails and in-built quality reporting tools

Business Benefits

- Minimal freeze time - Phased seamless deliverables, ensuring minimum downtime impact to business
- Assured zero data losses - Rule based approach, resulting in zero data, geometry, and attribute losses
- Efficient handling of heterogeneous data shifts - Analyzes and reports distorted patterns, thereby facilitating best transformation algorithm for optimal results
- Elimination of manual errors - Highly automated process driven solution, ensuring cost optimization, and minimal manual intervention

Key Industries



Gas Distribution



Electric



Telecom

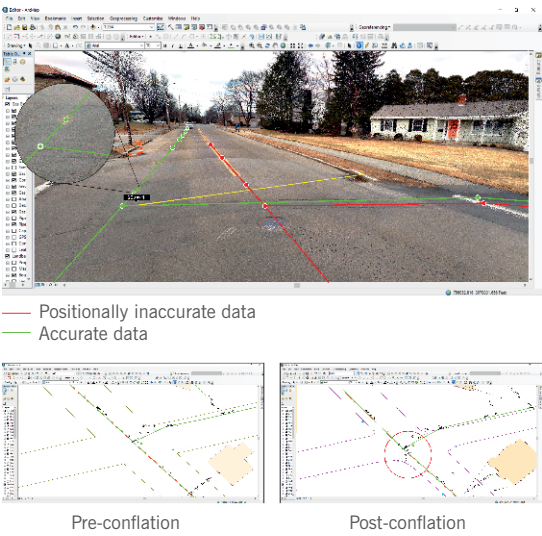


Water & Sewer



Landbase

LiDAR Based Conflation



LiDAR technology combined with GIS provides more accurate representation of actual on-ground position of assets than the traditional aerial imagery reducing the need of expensive and time-consuming on-the-ground field surveys.

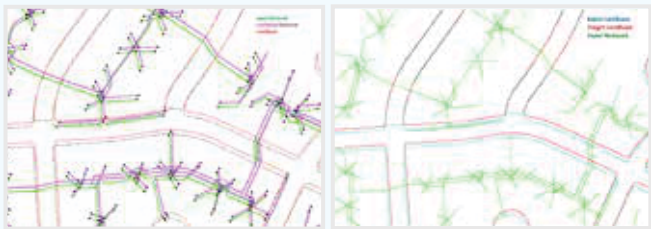
RMSI conflation solution (ConflateX™) utilizes the combination of LiDAR technology and GIS to provide sub-foot accuracy of the assets by conflation using mobile LiDAR data, spherical imagery (360), GPS datasets and as-builts information to accurately represent the assets on ground.

SUCCESS STORIES



GAS

Conflated 30,000 miles of gas distribution network to positionally accurate landbase, and to aerial imagery where landbase was not available



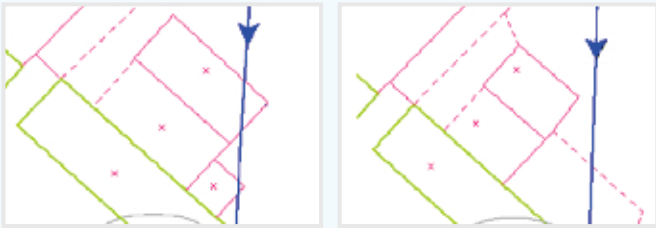
ELECTRIC

Conflation of 50,000 miles of electric network to positionally accurate street and parcel layers. Efficient process to void data freeze using two way replication



WATER

Realigned 14,300 km of water and sewer network features with positionally improved Ordinance Survey base map. 100% automation for conflation of all fittings



For further information, please contact info@rmsi.com or visit www.rmsi.com