

ConflateX™

SOLUTION TO OPTIMIZE SPATIAL INVESTMENTS

Key Business Drivers

1. Maintain network data integrity to support business workflows
2. Optimize performance of network monitoring systems
3. Improve operational efficiency for emergency and outage management
4. Support compliance to regulatory requirements
5. Ensure service reliability, and improve 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 workflows 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
- Platform independent, supports all industry data formats
- Conflates network to target landbase, 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



Transportation



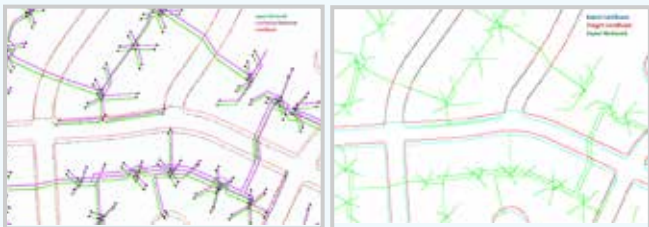
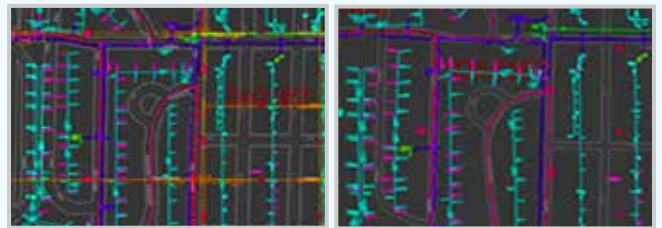
GAS

Conflated 10,400 miles of gas distribution network to positionally accurate landbase, and to aerial imagery where landbase was not available



TELECOM

Conflated the telecom OSP network and landbase for 66,000 plant records to a spatially accurate real-world system ensuring data integrity and network connectivity



ELECTRIC

Conflation of 31,000 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

