

# gCONFLATE

## INTELLIGENT DATA CONFLATION TECHNOLOGY



CORPORATE AND GOVERNMENT ORGANIZATIONS HAVE AN INCREASING NEED TO DEPLOY INTEGRATED, MORE SOPHISTICATED BUSINESS AND GIS APPLICATIONS (SUCH AS WORK MANAGEMENT, GPS, MOBILE/FIELD TECHNOLOGIES, DAMAGE PREVENTION, TRANSPORTATION) THAT REQUIRE HIGHER LEVELS OF SPATIAL (HORIZONTAL) ACCURACY TO BETTER MEET THE DEMANDS OF THEIR BUSINESS AND REGULATORY REQUIREMENTS. SPATIAL INACCURACIES IN YOUR GIS DATA CAN SEVERELY LIMIT HOW AND WHEN THESE APPLICATIONS CAN BE USED ACROSS THE ENTERPRISE THEREBY DIMINISHING THE VALUE AND RETURN ON INVESTMENT.

TIER 3 BRINGS A COMPREHENSIVE SOLUTION TO OUR CLIENTS TO ADDRESS THE NEED FOR IMPROVED SPATIAL ACCURACY WHILE LEVERAGING THE INVESTMENT IN THEIR EXISTING GIS DATA. TIER 3 HAS DEVELOPED A UNIQUE, PROVEN DATA CONFLATION SOFTWARE SOLUTION, CALLED **gCONFLATE** TO SPATIALLY RE-LOCATE OR ALIGN EXISTING GIS DATA TO A MORE SPATIALLY ACCURATE LAND BASE AND STREET CENTERLINE NETWORK, INCLUDING GPS DATA. TIER 3'S **gCONFLATE** TECHNOLOGY AND PROCESS IS A SUBSTANTIALLY AUTOMATED SOLUTION THAT OFFERS A UNIQUE MECHANISM TO QUICKLY AND EFFECTIVELY IMPROVE THE SPATIAL ACCURACY OF EXISTING GIS LAND BASE AND FACILITY ASSET DATA ENABLING CLIENTS TO PROPERLY DEPLOY AND SUPPORT FUTURE APPLICATIONS.

THERE ARE SEVERAL ASPECTS OF THE **gCONFLATE** SOLUTION AND THE UNDERLYING TECHNOLOGY AND LOGIC THAT MAKE THIS SOLUTION TRULY UNIQUE:

- ✓ PRECISE RELATIVE ACCURACY MAINTAINED FOR LAND BASE & FACILITY ASSET DATA
- ✓ PROPRIETARY CONTROL GENERATION ENGINE
- ✓ 3 TIERED LINK TECHNOLOGY FOR ACCURATE CONFLATION CONTROL MODEL
- ✓ VERTEX MANAGEMENT ENGINE TO PROPERLY MANAGE CONFLATION "BEHAVIOR"
- ✓ RE-SHAPE TECHNOLOGY FOR ACCURATE GEOMETRY REPRESENTATION
- ✓ HIGHLY AUTOMATED - LARGE VOLUME CONFLATION
- ✓ SUPPORTS LINEAR, POLYGON, & POINT DATA CONFLATION
- ✓ SUPPORTS CONFLATION TO CENTERLINE & GPS COORDINATE POINTS
- ✓ EXISTING DATA INTEGRITY MAINTAINED
- ✓ MAINTAIN FEATURE TO FEATURE & ANNOTATION ASSOCIATION
- ✓ SUPPORTS MULTIPLE CONTROL SOURCES
- ✓ COMPREHENSIVE QUALITY ASSURANCE BUILT-IN
- ✓ EXTENSIVE REPORTING & DISCREPANCY HANDLING CAPABILITIES



Many conflation solutions on the market are based on a rubbersheeting process and technology, which can introduce significant distortion into the actual conflation results and require a higher level of manual clean-up work post conflation, thereby introducing significant risk to the integrity of the GIS data - this is where **gCONFLATE** is very different...

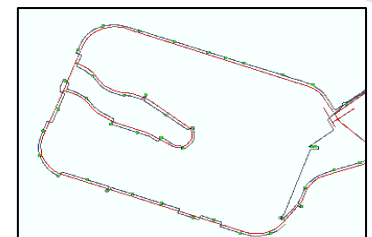
**gCONFLATE** supports conflation for GIS data across many industry verticals:

- Electric & Gas Utilities
- Telecommunications
- Cable/Broadband
- Transportation
- Insurance
- Land Management

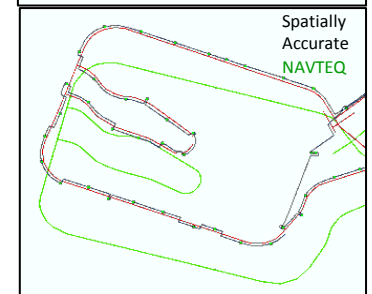
**gCONFLATE** can support all types of data (linear, point, polygon features) and supports many different types and layers of GIS data, whether they are combined or independent of each other.

- ✓ Land Base (street centerlines, right of ways, edge of pavement, hydro)
- ✓ Parcels / Lots
- ✓ Boundaries (municipal, tax, insurance, subdivision, etc.)
- ✓ Facility Assets (Electric, Gas, Telco OSP, Cable, Pipeline, One Call)
- ✓ GPS Coordinates
- ✓ Imagery

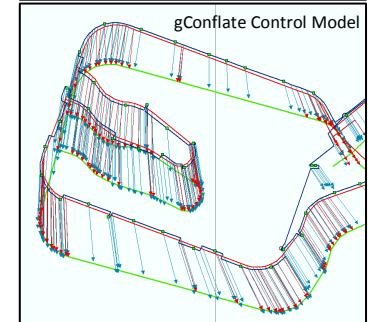
**gCONFLATE**'s core technology was architected and designed as a platform independent solution.



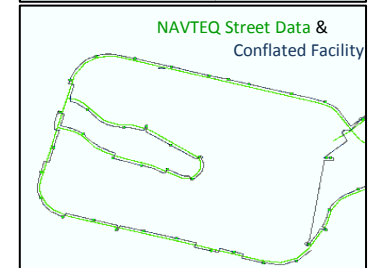
Existing Street Centerline & Facility Data



Spatially Accurate NAVTEQ



gConflate Control Model



NAVTEQ Street Data & Conflated Facility

*The convergence of existing data integrity with higher levels of spatial accuracy...*



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