

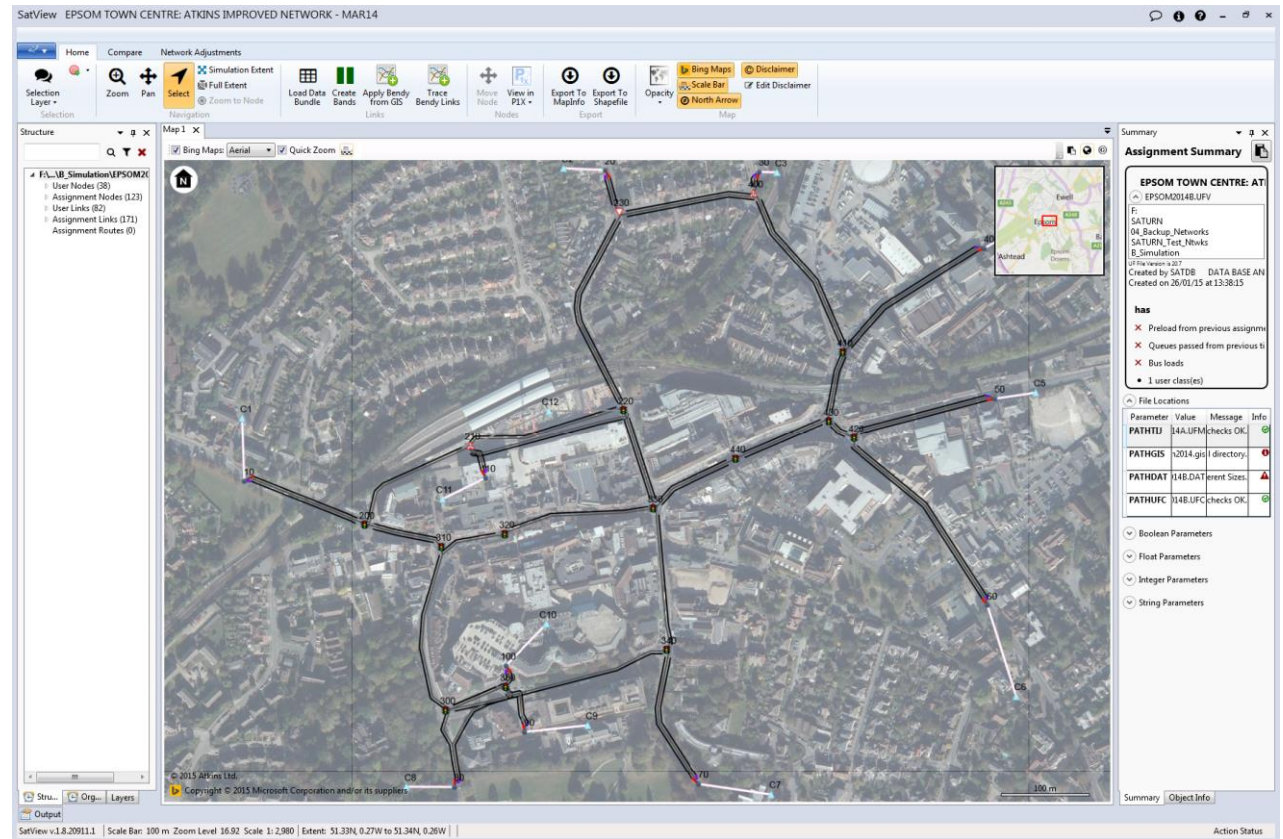
SatView

Version 1.8

SatView: A Modern Interface

A Network Viewer & Analysis Tool

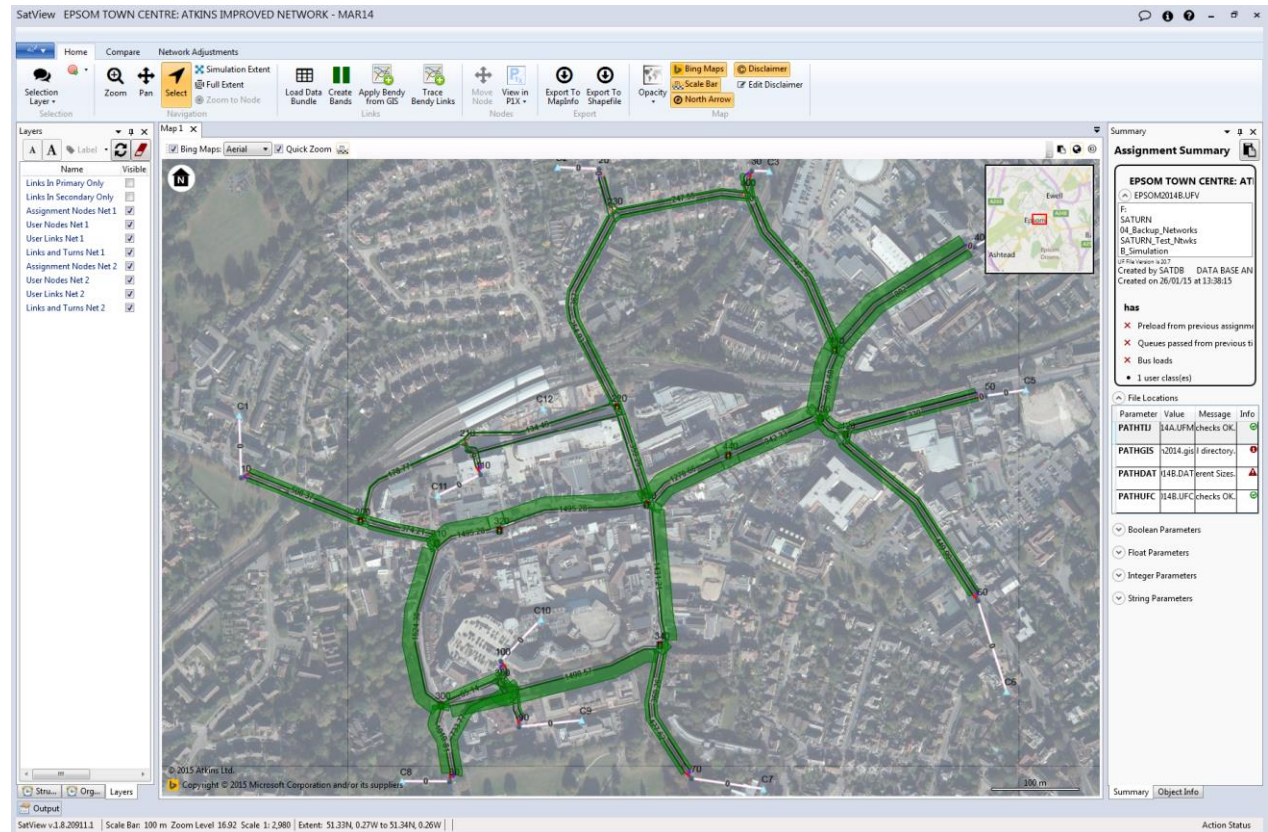
- Undertake desktop publishing
- Access to Online Mapping Services
- Compatible with existing SATURN models



SatView: As a Display Tool

Create powerful visual displays

- Summarising the assignment in clear & concise way
- Bandwidth analysis
- Aerial mapping
- Explore attributes



SatView: As an Analysis Tool

Ready access to:

- Summary reports
- Detailed information at the node and link level

The screenshot displays the SatView software interface for the 'EPSOM TOWN CENTRE: ATKINS IMPROVED NETWORK - MAR14'. The main window shows an aerial map with a network of roads and nodes. Several analysis windows are overlaid on the map:

- Structure Panel:** Lists nodes (38), traffic signals (9), links (82), and simulation links (6). Selected items include '330-220-220-330 RealSimulationLink' and '720-330-330-220 RealSimulationLink'.
- Link Summary:**

| | |
|-------------------------|----------------|
| Link Count | 171 |
| Buffer Links | 0 |
| Simulation Links | 50 |
| Sim Centroid Connectors | 1 |
| Buf Centroid Connectors | 11 |
| Oneway Links | See User Links |
| Link Type Count | 8 |

Details:

| Link Type | Total Count | Total |
|----------------------------|-------------|-------|
| RealSimulationLink | 50 | 659 |
| RealTurn | 75 | 0 |
| SimCCfromInternalZone | 1 | 0 |
| SimCCtoInternalZone | 1 | 0 |
| BufferCCfromZone | 11 | 0 |
| BufferCCtoZone | 11 | 0 |
| BufferToSimulationAtCordon | 11 | 0 |
| SimulationToBufferAtCordon | 11 | 0 |
- Node Summary:**

| | |
|------------------|------------|
| Node Count | 26 |
| Number Range | [10 - 440] |
| Buffer Nodes | 11 |
| Zone Centroids | 12 |
| Centroid Range | [C1 - C12] |
| Simulation Nodes | 26 |

Details:

| Node Type | Node Icon | Total Count |
|------------------|-----------|-------------|
| ZoneCentroid | 📍 | 12 |
| ExternalNode | 🔵 | 11 |
| PriorityJunction | 📉 | 1 |
| TrafficSignal | 🚦 | 12 |
| RoundaboutUTurns | 🔄 | 2 |
- Assignment Summary:**

EPSOM TOWN CENTRE: ATKINS IMPROVED NETWORK - MAR14

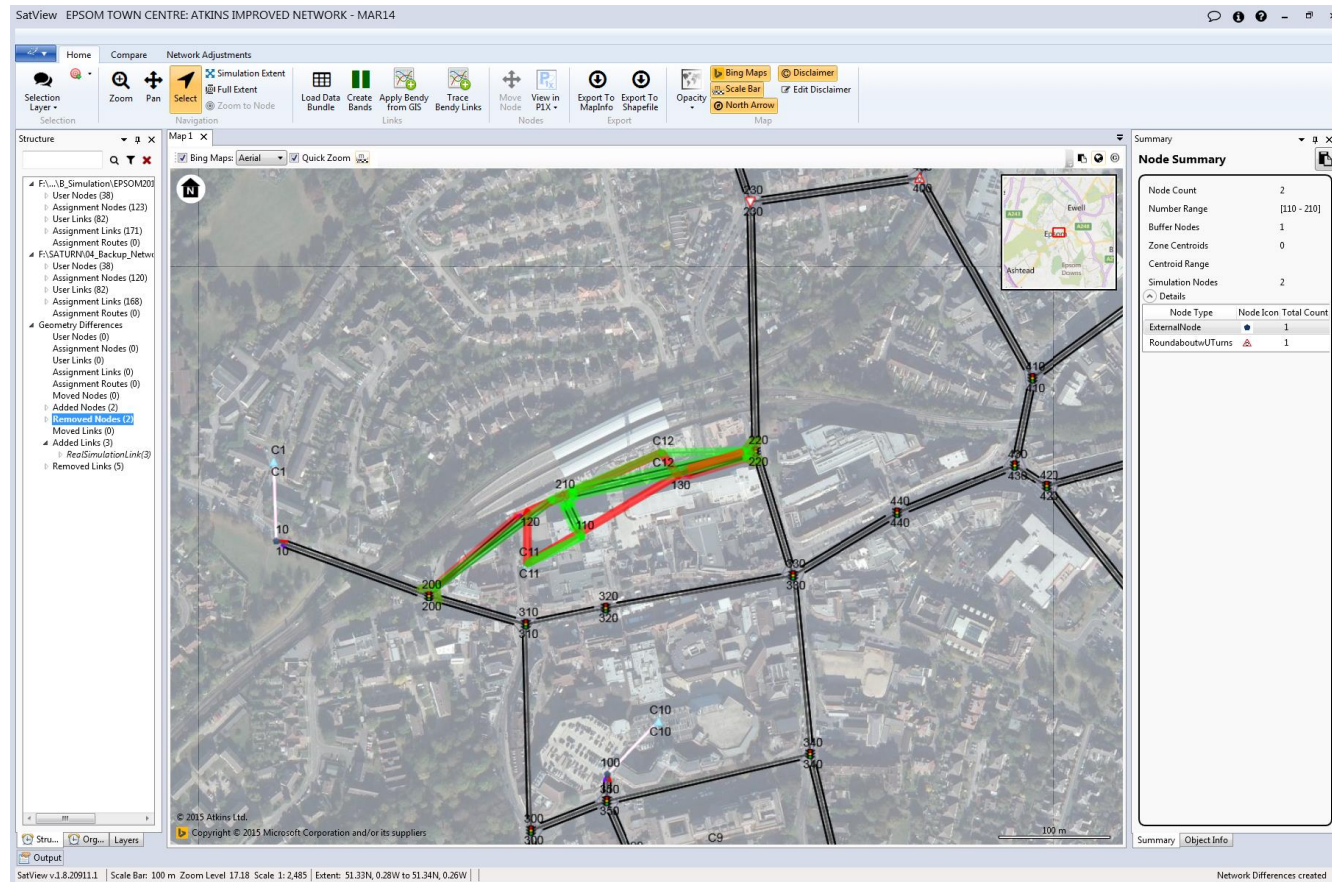
File Locations:

| Parameter | Value | Info |
|-----------|--|------|
| PATHITU | ROJECTS\...\220 - Technical\TestData\EpsomNetworks\B_Simulation\EPSOM2014A.UFM | 📄 |
| PATHGIS | ROJECTS\...\220 - Technical\TestData\EpsomNetworks\B_Simulation\Epsom2014.gis | 📄 |
| PATHDAT | ROJECTS\...\220 - Technical\TestData\EpsomNetworks\B_Simulation\EPSOM2014B.DAT | 📄 |
| PATHUFC | ROJECTS\...\220 - Technical\TestData\EpsomNetworks\B_Simulation\EPSOM2014B.UFC | 📄 |

SatView: As a Comparison Tool

Compare different networks:

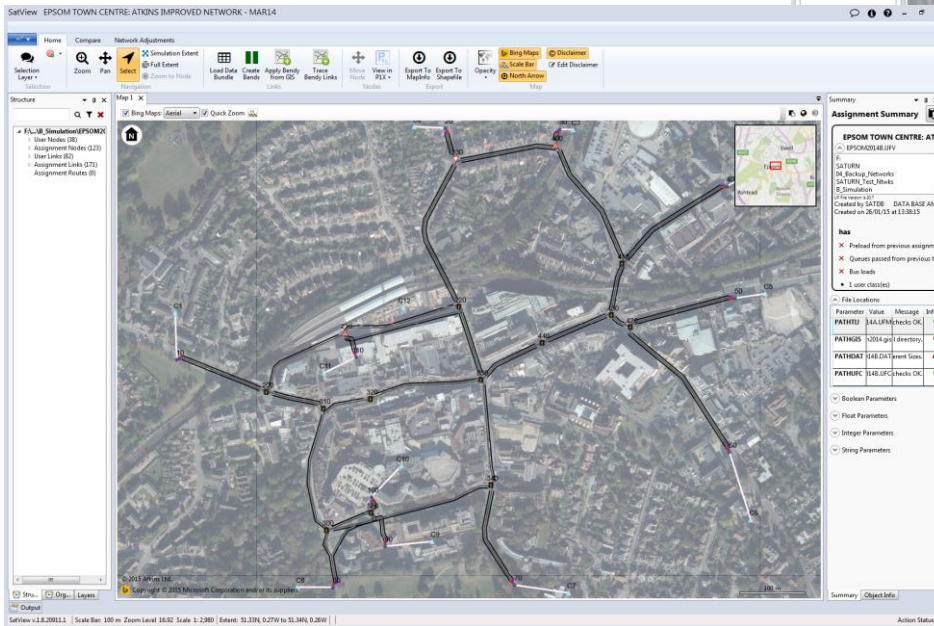
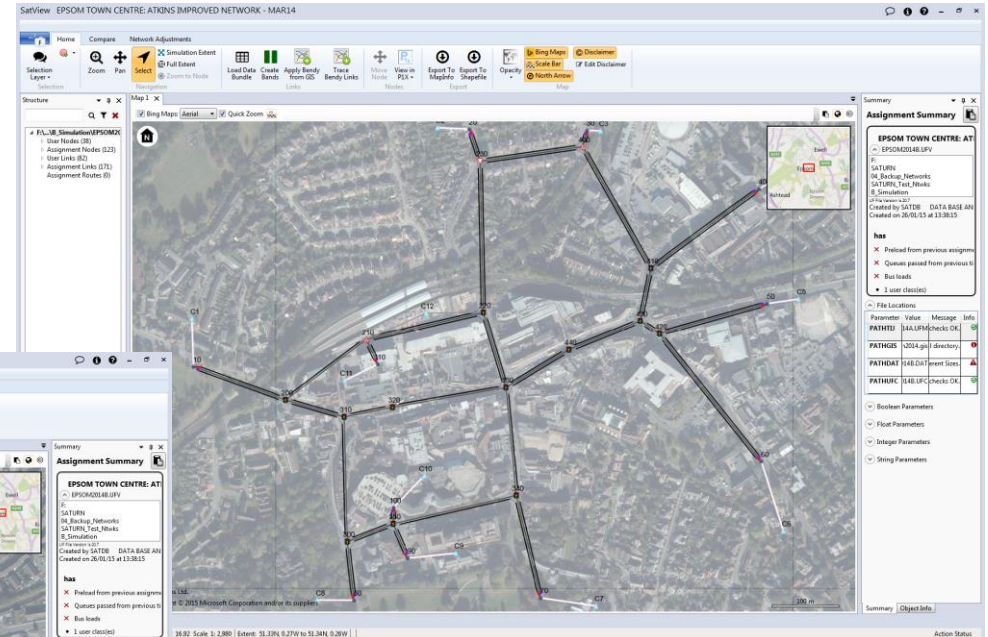
- Understand the structural differences
- Accurately report the changes between scenarios
- Not available: still under test



SatView: As a Desktop Publisher

Tools to:

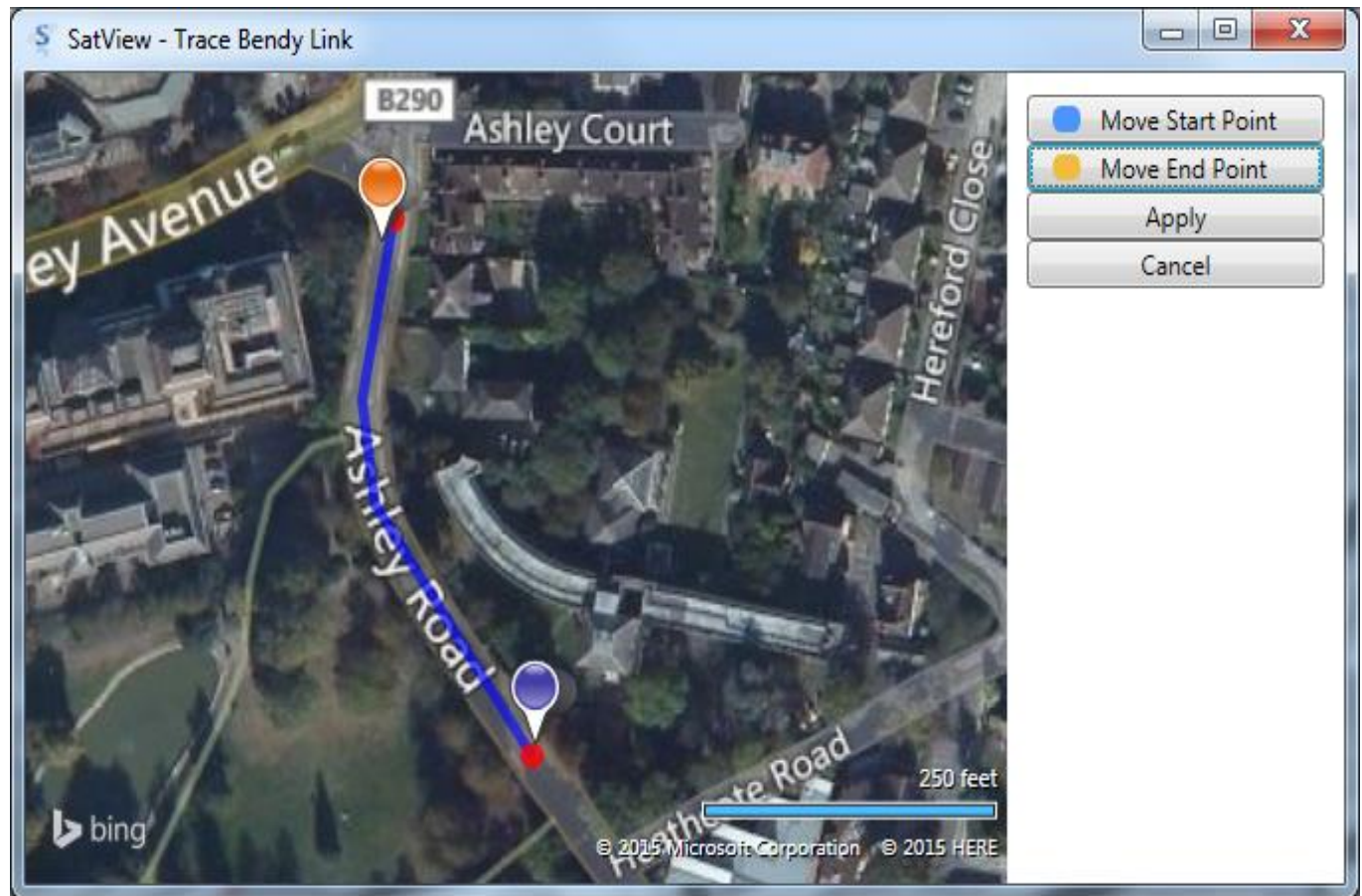
- Adjust the network representation
- Automatically map existing networks onto a Mapping Layer



SatView: As a Desktop Publisher (ii)

Tools to:

- Refine with manual adjustments



SatView: Exporting to GIS Applications

One click export to:



The screenshot displays the SatView software interface with the following components:

- SatView Window:** Shows a ribbon with 'Export' options: 'Export To MapInfo', 'Export To Shapefile', 'Export To SATURN Node Card', and 'Export Bendy Links Card..'. The 'Export To MapInfo' button is highlighted.
- MapInfo Professional:** Shows a map of 'UserNodes...AssignmentBendyLinks M...' with a layer control on the left listing 'UserNodes', 'AssignmentNodes', 'AssignmentLinks', and 'AssignmentBendyLinks'.
- Untitled - ArcMap:** Shows a map of 'UserNodes...AssignmentBendyLinks M...' with a 'Table Of Contents' on the left listing 'UserNodes', 'AssignmentNodes', and 'AssignmentLinks'. The 'Identify' window on the right shows a table of data for the selected features.

| Field | Value |
|---------|----------|
| FID | 144 |
| Shape | Polyline |
| ID | 145 |
| ANode | 430 |
| BNode | 440 |
| ChNode | 0 |
| AssNode | 440<430 |
| AssNode | 430>440 |
| X1 | 521021 |
| X2 | 520917 |
| Y1 | 160882 |
| Y2 | 160837 |
| PX1 | 521013.0 |