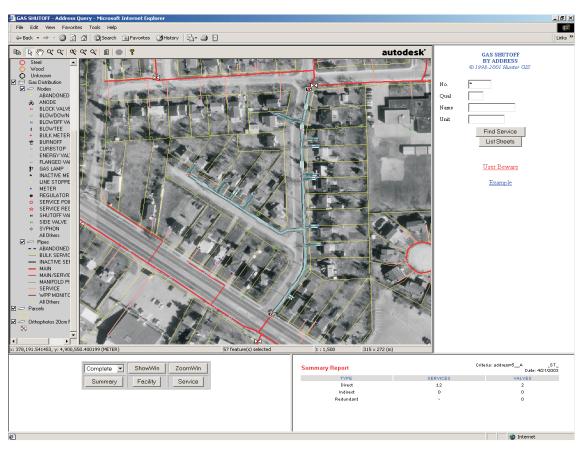
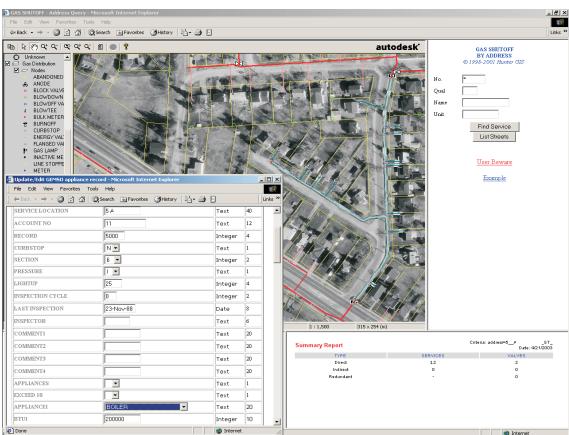
Gas Infrastructure





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Gas Infrastructure

Introduction

The Hunter GIS Gas Infrastructure Solution is designed to access local and/or remote servers with Base Mapping, Orthophotos, Single Line Street Networks, Parcel Tax Assessment, Call Centre and Corporate Billing Information more efficiently maintained and shared by others. Published Gas Distribution Infrastructure data may be subscribed to Customer Call Centre, Dispatch, 'One Call' and Emergency Response agencies.

Important features and capabilities include:

Distribution Infrastructure

- · Layer based schema for gas distribution infrastructure
- · Integrated new service application, existing service, appliance and distribution valve databases
- Integrated Street Intersection and Street Name "Zoom Goto" functions
- Address based querying for gas service and parcel location
- "List Streets" function for rapid address based queries
- "List Fields" function to assist in generating complex ad-hoc gueries
- Integrated multi-function SQL queries and hyperlinked on-screen reporting
- Hyperlinked access to archived design and construction drawings for desktop viewing
- Integrated Data Quality and User Beware features

Construction, Breaks and Maintenance History

 Construction, breaks and maintenance history linked to pipe features or Single Line Street Network

Gas Shutoff

- · Gas shutoff valve query based on connectivity within network topology
- · Identifies valves required to isolate the selected feature
- Determines all connected pipe sections, valves and services affected (direct, indirect or redundant)
- "List Record" function to preview/confirm features selected for isolation
- Results output to the desktop allowing multi-user connection to the application
- Generation of light-up sequences, notification lists and mailing labels

Meter and Appliance Management

- Integrated meter and appliance management databases
- Planning period, date based record retrieval for scheduled, backlog, completed and cancelled inspections and testing
- Address based querying for meters and parcels
- Meter number based querying to find location and meter database information
- Possible live links to SCADA and metered flow data for remote monitoring

Work Performance

- Planning period, date based record retrieval for scheduled, backlog, completed and cancelled transaction history
- Integrated links to Customer Call Centre for complaints and work order generation for new services and maintenance
- Hyperlinked access from work orders to infrastructure information
- Capability for live links to automated meter reading and video monitoring
- ODBC/OLEDB links to Corporate Billing and other databases

Gas Modelling

- Display of gas infrastructure and modelling results (pressures, velocities and pipe flows) from third party software
- Integrated Street Intersection and Street Name "Zoom Goto" functions
- Loads at model nodes apportioned to customers based on Corporate Billing information
- · Selected OBM layer based schema for reference



