Route Optimization

EasyRoute

Reduce costs, drive efficiency, improve customer service, and increase operational resilience with EasyRoute, the only route optimization system designed solely for use in public works.

- ✓ Residential
- ✓ Commercial
- ✓ Special Collections
- ✓ Street Sweeping
- ✓ Winter Maintenance

Reduce costs and risk while increasing sustainability

EasyRoute lets you quickly design more efficient routes. Using fewer trucks and drivers, and less mileage and fuel, cities and municipalities can reduce costs and CO_2 emissions and the risk of disruption from poorly planned routes.

Fast, powerful, and easy to use

Route design can be complex, but your routing software shouldn't be. EasyRoute is easy enough for public works professionals to use directly, which means fastest projects and quicker return on investment.

Increase efficiency and improve customer satisfaction

Keep residents happy by preventing overstretched routes resulting in poor customer service. Balance work more effectively across routes to accommodate growth and reduce the risk of disruption when introducing new routes

More accurate routes that your drivers will trust

With a unique optimization engine, our proprietary route design methodology, and an unrivalled experience in public works, EasyRoute ensures that the routes you see on the screen will actually work for your drivers.

Designed specifically for public works, EasyRoute is used by hundreds of solid waste and environmental service professionals around the world to more quickly and easily design, plan, and optimize their routes.

Features - All Services

- **Route Planning and Design** – build routes that work with an optimization engine specific to solid waste and public works.

- **Load Balancing** – spread work evenly across routes to minimize costs such as vehicles and fuel.

- **Scenario Planning** - vary frequencies, change shift patterns, swap trucks, and move depots, then quickly and accurately evaluate the costs and benefits of each scenario.

- **Cost Modelling** - assess the cost of delivering different service scenarios.

- **Hazard Definition** - built-in hazard recording and crew safety features reduces accidents and improve safety driver and public safety.

- **Tasking and Briefing** – provide drivers with route maps, route sheets and driving instructions on paper or through an in-cab tablet.

- **System Integration** - with your on-board computers, back office, billing, and/or CRM solutions.

- **GIS Neutral** - we are not wedded to a particular GIS technology or platform and are able to work with users of all.

Use Cases - Municipalities

- Designing new routes when introducing new service streams

- Maintaining route efficiency as the properties and populations grow.

- Evaluating the costs and benefit of changing shift patterns

- Identifying fleet requirements prior to purchase

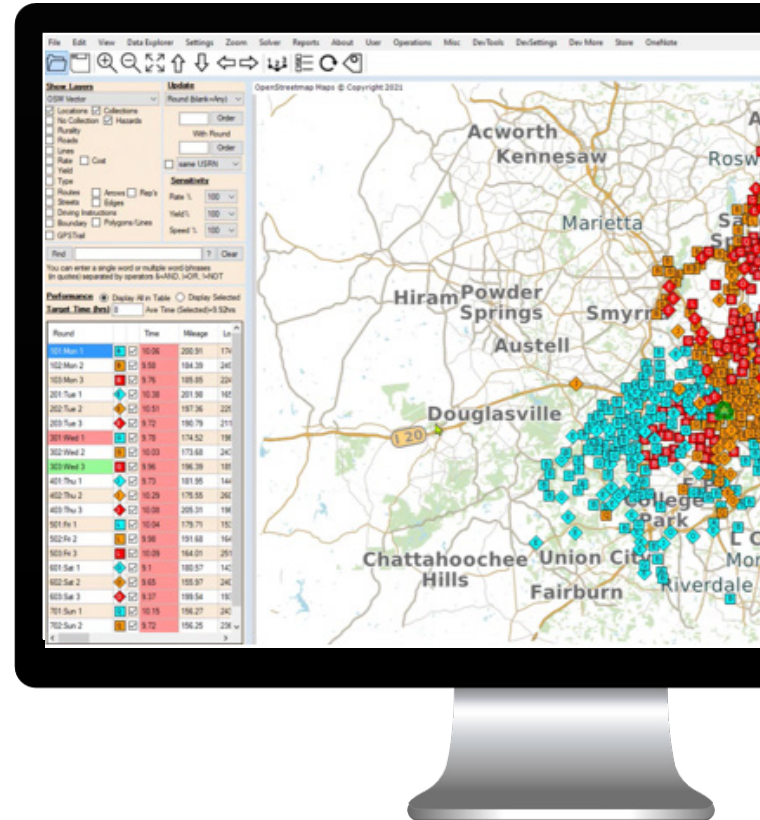# Features - Service Specific

Commercial

- **Pre-loaded business rules** - let you define the optimization outcomes you want, such as minimizing customer disruption, creating extra capacity, minimizing weekend working, or removing unnecessary visits to locations.

- **Automatic pattern recognition** - within your existing data.

- **Time Window** – work within time windows to fit legislation or safety considerations.

- **Billing System Integration** - with many major waste billing systems.

Roll-Off

- **Roll-Off Routing** - fast route rebalancing to reduce time range across routes.

- **Route Resequencing** - to reduce service time to customers.

- **Stock Management** - view and optimize container stock at any point in the day.

- **Route Management** - with adjustment and job allocation by time or cost.

- **And more** - support for customer owned containers, material types, time windows, and variable start time.

Street Sweeping

- **Routing** - purpose-built user interface and routing algorithms for street sweeping optimization.

- **Multi-Frequency** - model variable street sweeping frequencies and different work types on a single route.

Use Cases - Private Haulers

- Rationalizing routes to reduce vehicle and driver requirement

- Maintaining route efficiency as new customers are added

- Delaying the need to purchase new vehicles and your business grows

- Consolidating routes following mergers and acquisitions

Schedule a demo at
www.routeware.com

Routeware