



RUBICON SmartCity SPECIFICATIONS

Harness innovation to make your city more functional and sustainable.

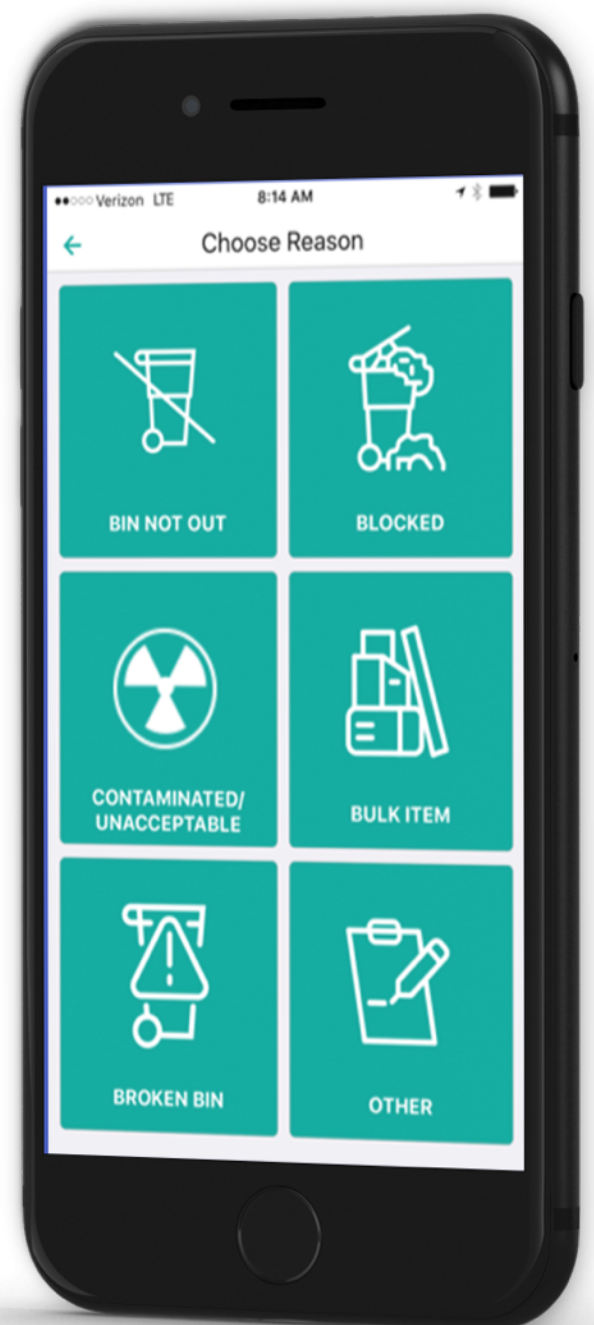
The RUBICON SmartCity technology features a number of components that work together to improve the efficiency and effectiveness of municipal refuse collection services, while also gathering and analyzing data to inform public policy development and government operations.

The components consist of hardware and software, specifically a smartphone or tablet, onboard computer plug-in device, accessory kits, a driver-facing application (app), and a manager-facing secure website (portal).

The following technical specifications relate to these components.

HARDWARE

- A smartphone or tablet
- Onboard computer plug-in device
- Accessory kit (6 foot cord, charging station, USB connector, phone case)





RUBICON SmartCity

SPECIFICATIONS

SOFTWARE FUNCTIONALITY: APP AND MANAGER PORTAL

Service confirmations for all truck types

- With exact time and location, without human interaction

Vehicle Tracking

Navigation

- Turn-by-turn directions to specific points, disposal facilities, and a return to route

Driver Hours

Miles Driven

Vehicle Information, Safety and Maintenance

- Relay fault code information
- Fuel consumption/efficiency
- Pre and post trip reports
- Speeding and hard driving
- Vehicle idle
- PTO status
- Battery charge
- Ignition status
- Engine oil level
- Oil pressure
- Transmission status
- Brake status
- Engine coolant temperature
- Outside temperature
- Filter status

Real Time Route Management

Recycling Contamination Characterization

- Audit tool to determine contamination

Integration

- RFID
- CRM (311)
- Cameras

Waste Collection Route Issue/ Incident Identification (bin not out, broken bin, contaminated bin, blocked bin, etc.)

- Take pictures
- Flag locations
- Dispatcher alerts
- Automated customer notification via email or text
- Real time route management
- Real time insights

Urban Data Collection

- Air quality sensing
- Noise pollution monitoring
- Pot-hole detection
- Graffiti hot-spotting
- Vacant home cataloging
- Infrastructure condition reporting (broken curb cuts, downed power lines, fallen trees)

Multiple languages, including English, Spanish, French and German