SAFE **SF** FLEET

Driving Safety Forward™

FLEET MANAGEMENT
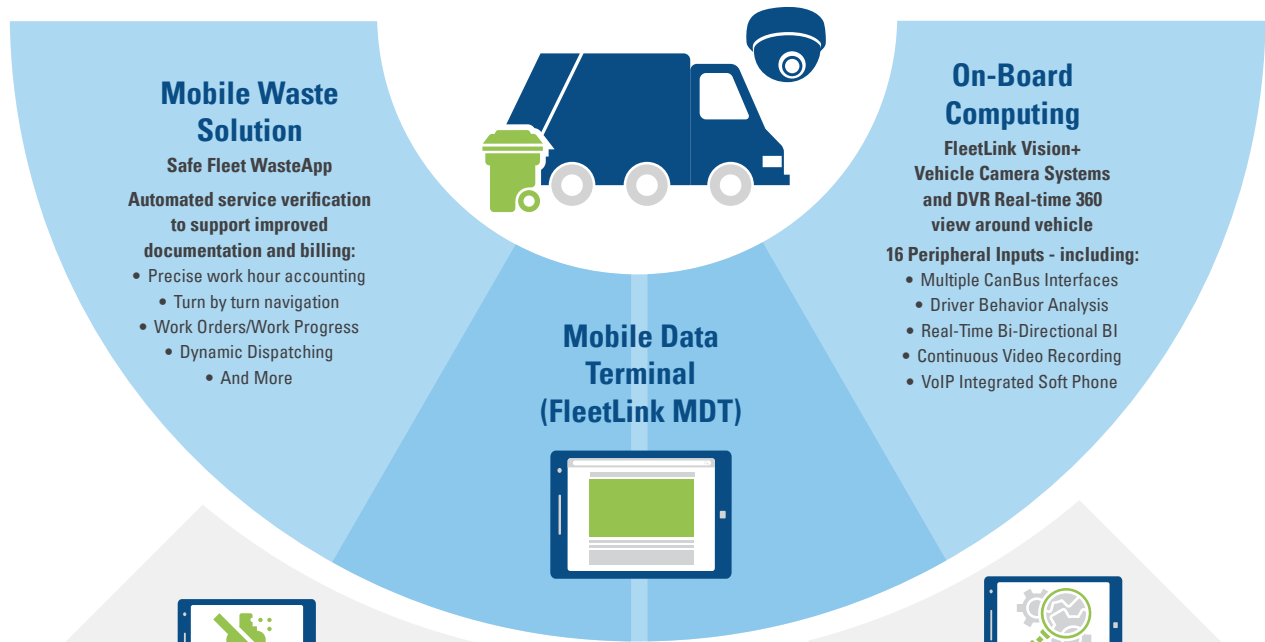# SOLUTIONS FOR
SOLID WASTE &
RECYCLING OPERATIONS

FleetLink Route System

Route Management tools for improved dispatching, asset and customer management

FleetLink Map

GPS and event data to audit vehicle and route activity inlcuding alarms, vehicle status and stop information for comprehensive view of fleet

FleetLink Reports

Visibility into fleet operations at a macro level with KPIs and performance statistics for comprehensive view of business

FleetLink Web Services

A suite of APIs to integrate with 3rd party software for additional fleet insight

FleetLink Safety Dashboard

See fleet activity through videos, events, alarms, driver supplied photos, driver behavior scorecards and coaching status for enhanced performance

Safe Fleet SmartConnect

Microsoft Dynamics and other 3rd party ERP Integration for waste and recycling management end-to-end system access

BACK OFFICE/BUSINESS INTELLIGENCE SYSTEMS

FIREWALL

ON-BOARD, MOBILE SYSTEMS

Mobile Waste Solution

Safe Fleet WasteApp

Automated service verification to support improved documentation and billing:
- Precise work hour accounting
- Turn by turn navigation
- Work Orders/Work Progress
- Dynamic Dispatching
- And More

On-Board Computing

FleetLink Vision+ Vehicle Camera Systems and DVR Real-time 360 view around vehicle

16 Peripheral Inputs - including:
- Multiple CanBus Interfaces
- Driver Behavior Analysis
- Real-Time Bi-Directional BI
- Continuous Video Recording
- VoIP Integrated Soft Phone

Mobile Data Terminal (FleetLink MDT)

Mobile Graffiti Solution

Safe Fleet® GraffitiApp™

Complete solution for flagging and service provisioning graffiti removal and the necessary data collection to support billing as well as legal action against graffiti artists

Mobile Sweeper Solution

Safe Fleet® SweeperApp™

Automated solution for managing and dispatching sweeper routes and reporting their progress

Pre- and Post-Trip Electronic Vehicle Inspections

Safe Fleet Vehicle Inspection

Easy-to-use, customizable vehicle inspections for:
- Reduction in paper forms
- Increased fleet uptime
- Accelerated vehicle repair time closed-loop workflows

Waste & Recycling – Fleet Management Solutions
Waste Solutions Overview

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Better manage every aspect of your waste and recycling operation with a unified, evidence-based tracking platform **for every event that matters to a solid waste management organization.**

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Our suite of hardware and software solutions combine the strengths of a robust on-board computing system with mobile applications, back-office solutions and software that enables end-to-end ERP integration, all field-proven to:

**REDUCE SOLID WASTE
COLLECTION COSTS**

**IMPROVE SERVICE
PERFORMANCE**

**MAKE LASTING GAINS
IN ROUTE PRODUCTIVITY**

**INCREASE
FLEET SAFETY**

**ENHANCE
REVENUES**

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Benefits of implementing these solutions across your waste fleet include:

> **Excellence in service delivery** through automating and optimizing all aspects of route dispatching and re-assignment, providing real-time tracking of all field activities, reinforcing desirable working behaviours, and recording all billable activities.

> **Productivity gains** through automated real-time business intelligence and analysis. A key benefit to digital transformation is the ability to collapse the time it takes to recognize and react to problems, enabling fleet supervisors to pro-actively deal with route, driver, and truck issues before they have a negative effect on KPI's.

> **Fleet profitability improvements** through automated real-time tracking of route efficiency, job progress, and driver behavior. This includes automatic and accurate tracking of billable events such as non-recurring or on-demand pickups and automatic weight capture for more accurate disposal costs.

> **Customer confidence and satisfaction** by ensuring waste removal is performed according to service level commitments, addressing requests for missed or additional service promptly, and providing information about current route progress and actual vehicle location to better manage customer expectations.

> **Drive lasting safety improvements** through connectivity to up to eight cameras in and around the vehicle for a 360° perimeter view, eliminating blind spots and risk of accidents. GPS and engine control module data (ECM) also helps safety managers better understand real-world driver behaviors for pro-active coaching and sustained positive reinforcement and overall safety improvements.

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ON-BOARD, MOBILE SYSTEMS
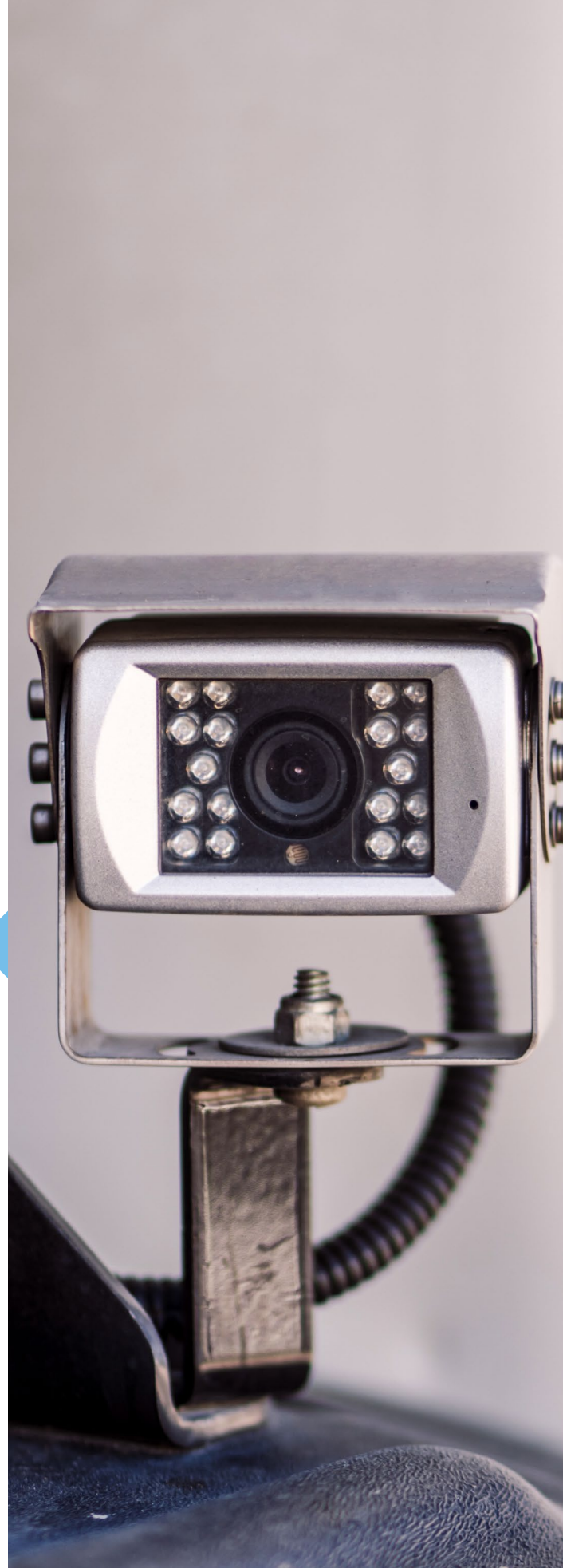
FleetLink Vision+
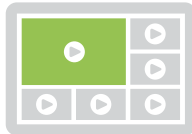
FleetLink™ Vision+ is an on-board computing (OBC) solution that combines a camera and recorder (DVR) system as well as the Safe Fleet® WasteApp™.

FleetLink Vision+ is designed to provide value in tough fleet waste collection environments: enhanced service verification, route profitability, revenue capture, fleet safety, incident resolution and customer service. FleetLink Vision+ enables 360° visibility around each vehicle through integration to FleetLink Camera Systems for increased safety, enhanced service verification and incident resolution with footage/image caputures of what really happened. Real-time insight into the pulse of the operation is also achieved with up to 16 peripheral vehicle inputs.

Safe Fleet® WasteApp™ with MDT

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FleetLink MDT Plus

FleetLink™ MDT Plus is a full-featured, on-board computing (OBC) digital video recording (DVR) and camera solution that includes the Safe Fleet WasteApp on our latest and most robust mobile hardware, the FleetLink™ MDT.

Just like FleetLink Vision+, the FleetLink MDT Plus is designed to drive value in tough fleet waste collection environments, provide 360° visibility around each vehicle and capture footage of exactly what happended. As with FleetLink Vision+, this system also provides real-time insight into your fleet operations with up to 16 peripheral vehicle inputs. Designed for solid waste customers looking for enhanced scaleability, the FleetLink MDT Plus, with the FleetLink MDT fully supports the Safe Fleet® Vehicle Inspection™ App for additional fleet value through improved fleet safety and maintenance.

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BACK OFFICE/ BUSINESS INTELLIGENCE

Safe Fleet SmartConnect

Safe Fleet® SmartConnect™ leverages the strengths of ERP business intelligence with on-board routing and AVL data through a seamless integration that delivers full ERP/onboard computing and end-to-end functionality.

Users of Microsoft Dynamics 365 and other 3rd party ERP solutions benefit from one single login that enables access to all financial and waste transactions for increased, comprehensive insight, improved workflows, better data quality and enhanced overall performance. This unified view from both the on-board and back-end ERP system provides the most comprehensive connectivity and integration for business intelligence in the market.

Users of Microsoft Dynamics 365 and other 3rd party ERP solutions benefit from one single login that enables access to all financial and waste transactions.

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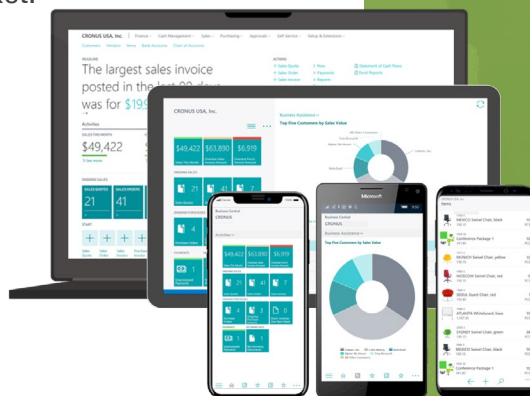
FleetLink Web Services

Waste collectors benefit from accurate insight to real-time business intelligence and historical operational data.

FleetLink™ Web Services provides access to vehicle and job information outside of the standard FleetMind web-based applications. These services are accessible using application programming interfaces (APIs) and include: vehicle routes, route dates, breadcrumb trails, activity codes, number of lifts, and lift type to name just a few.

FleetLink Map

FleetLink™ Map delivers real-time and historical views into your fleet, driver, and collection services activity for an intuitive back-office view of what's going on for each route, truck and driver.

Know how your vehicles are being handled, check overall route completion status and identify non-productive time in seconds.

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FleetLink Route System

FleetLink™ Route System is an end-to-end, web-based route management solution, integrated with FleetLink back office mapping, reporting and dashboard systems.
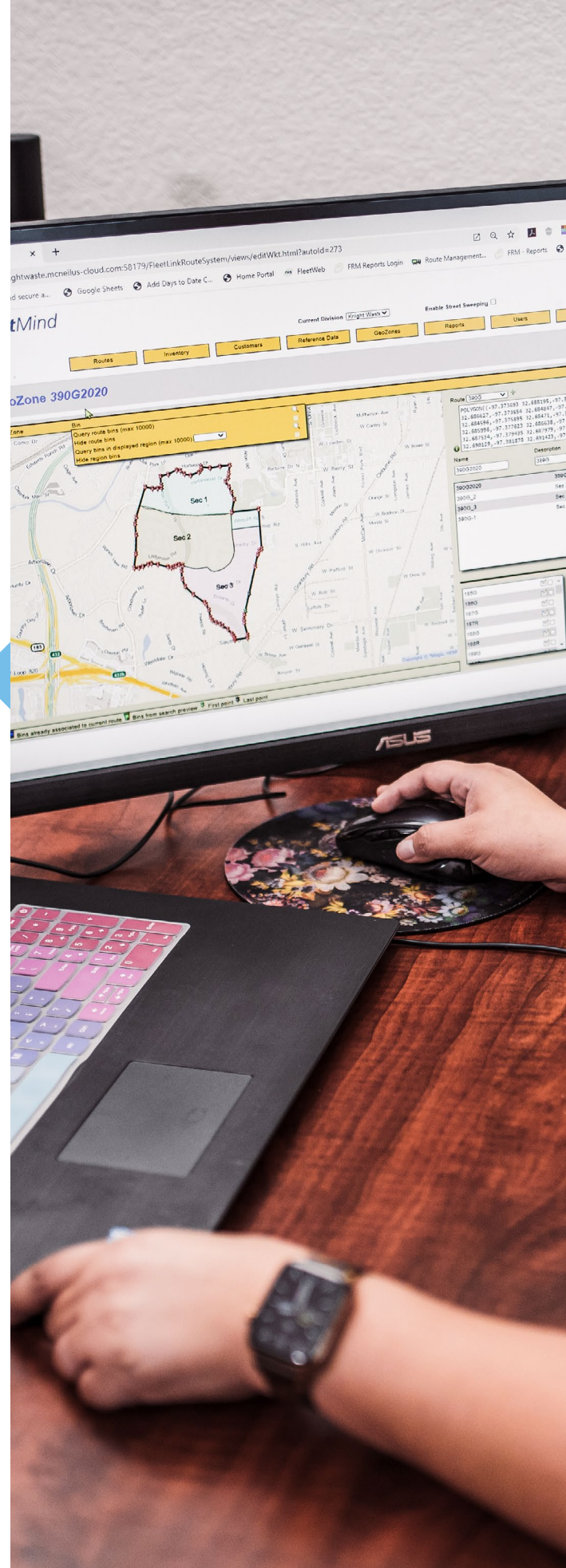
FleetLink Route enables efficient route scheduling, dispatching and real-time service quality monitoring, including customer case, and inventory management for residential, commercial, and industrial lines of business. Designed to be billing system–agnostic, FleetLink Route can be integrated into any ERP or billing solution using our SafeFleet SmartConnect WebServices API's.

FleetLink Reports

FleetLink™ Reports deliver operations and performance statistics by tracking a waste collector's most important key productivity indicators.

The reports provide complete visibility into fleet operations at a macro company level, right down to the individual driver, route or truck. A web-based dashboard and reporting environment supports leading   modern web browsers and generates reports such as driver activity/performance/scoring, fuel consumption, fleet performance, vehicle alarms, fuel tax and vehicle usage.

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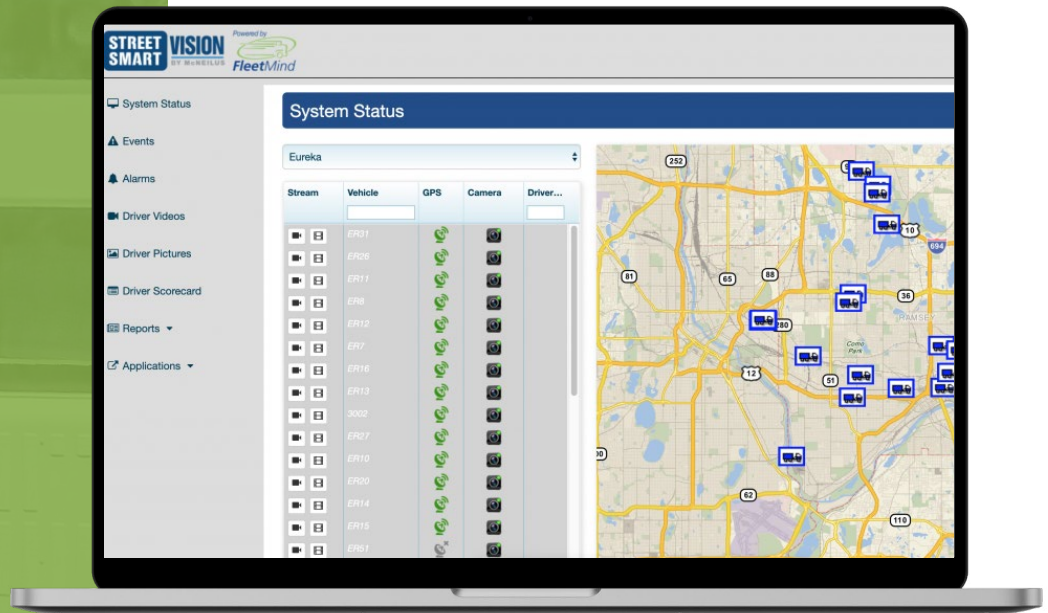10

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FleetLink Safety Dashboard

The system automatically documents the location of alarm occurrences (driver, sensor and server-recorded incidents) to help determine which drivers generated alarms and whether they may be in need of coaching.

FleetLink™ Safety Dashboard provides live video feeds, access to archived videos and fleet camera views including driver, and collection services activity.

The FleetLink Safety Dashboard enables waste collectors to spot costly and unsafe driving behavior and see how fleet vehicles are being driven, offering an intuitive back-office view into what's happening on each route with each truck and driver. The system automatically documents the location of alarm occurrences (driver, sensor and server-recorded incidents) to help determine which drivers generated alarms and whether they may be in need of coaching. The system further schedules and documents coaching sessions between drivers and supervisors.
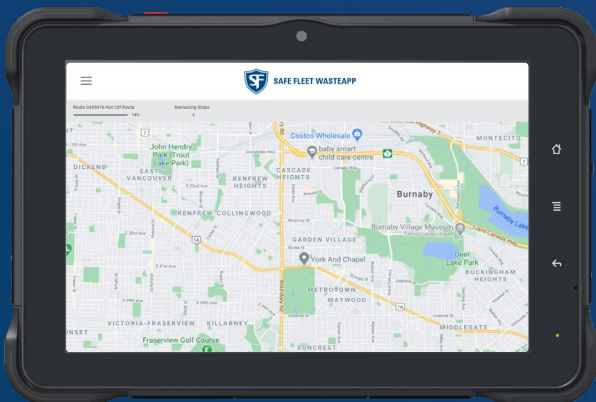
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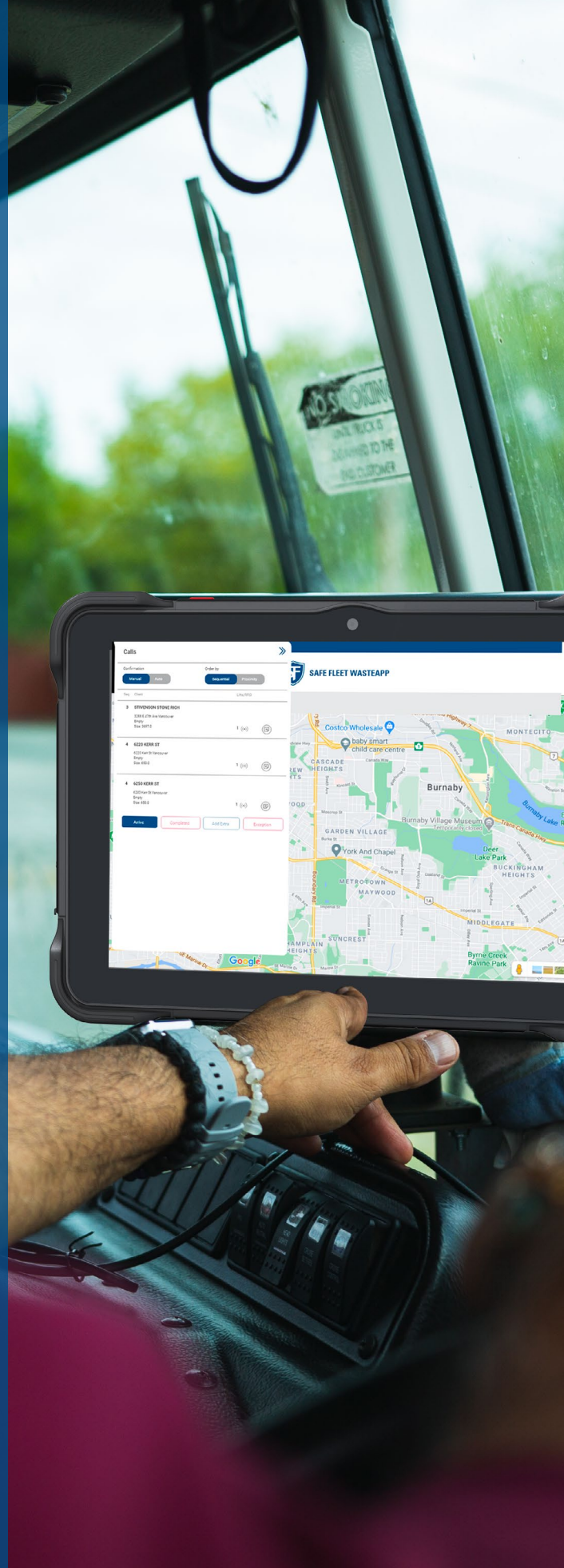
MOBILE ADD-ON SYSTEMS

Safe Fleet WasteApp

Safe Fleet WasteApp with the Mobile Data Terminal (FleetLink MDT) provides solid waste haulers with an automated solution for service provisioning, documentation, and billing.

Using Safe Fleet WasteApp, waste collectors can increase billing efficiency, excel at dynamic dispatching and provide service verification for every job. Drivers benefit from a paperless process, routes that are scheduled based on sequence or proximity, turn-by-turn directions and the ability to supplement reports with photo and video evidence.

Safe Fleet® WasteApp™ with MDT

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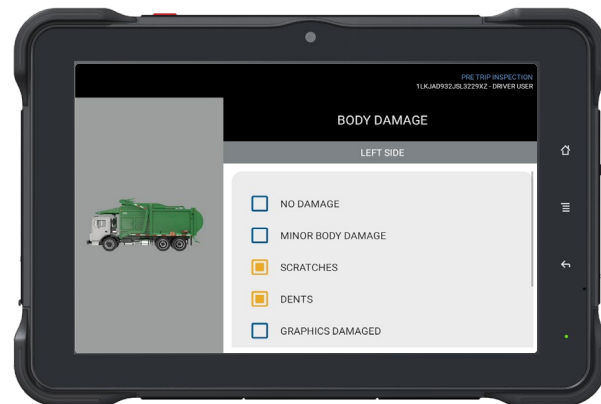
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Safe Fleet Vehicle Inspection

Safe Fleet Vehicle Inspection with the Mobile Data Terminal (FleetLink MDT) is an auditable, intuitive, easy-to-use, customizable, pre- and post-trip inspection App.

The App provides a waste collector with increased fleet uptime, accelerated vehicle repair times and a closed loop workflow that enables drivers and repair teams to collaboratively work together. The App can be used stand-alone or integrated with Safe Fleet WasteApp for improved overall workflow.

Safe Fleet® Vehicle Inspection™ with MDT

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Available Configurations:

> FleetLink Vision+ On-Board Computing
> Back Office – Business Intelligence
> DVR – Video Surveillance

> FleetLink Vision+ On-Board Computing
> Back Office – Business Intelligence
> DVR – Video Surveillance
> Wireless Router – Live Video Streaming

> FleetLink (New Bundle Name)
> On-Board Computing
> Back Office – Business Intelligence
> Safe Fleet WasteApp
> Safe Fleet Vehicle Inspection

> FleetLink (New Bundle Name)
> On-Board Computing
> Back Office – Business Intelligence
> DVR – Video Surveillance
> Wireless Router – Live Video Streaming
> Safe Fleet WasteApp
> Safe Fleet Vehicle Inspection

By Making Fleets Smarter, We Make Fleets Safer, More Efficient and Profitable

With our broad portfolio of market-leading safety solutions, and locations across North America, Safe Fleet's smart solutions form an integrated safety platform for fleets of all kinds — Waste and Recycling, School Bus, Transit Bus, Fire, EMS, Law Enforcement, Work Truck, Truck and Trailer, Construction, Agriculture, Industrial and Military.

When you choose Safe Fleet as your partner, you are choosing to benefit from the wealth of cross-vertical knowledge that exists within the Safe Fleet organization. You don't just get to benefit from purchasing a product from a specialized provider. With Safe fleet, you are gaining access to the level of sophisticated security practices required in law enforcement, the predictive analytics that are being utilized to resolve safety issues in the school bus industry and the level of intelligence that is being used to address today's waste and recycling management needs.

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At Safe Fleet we continue to innovate and lead, delivering the smart solutions fleets will need to survive and thrive in a changing world. We are redefining what fleet safety means with one-stop access to customized, integrated and intelligent solutions that answer today's safety needs and anticipate tomorrow's challenges. By making fleets smarter, we make them safer. And without safety first, efficiency and productivity are not even options.

At Safe Fleet, we're Driving Safety Forward.™

Learn more

Contact us to learn more about Safe Fleet Fleet Management Solutions for Solid Waste & Recycling Operations.

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Talk to an Expert

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