

## About Flipturn

### Background

Founded by an MIT alumni with deep expertise in software engineering, Flipturn offers an industry-leading EV charging management platform, built for fleets and suitable for charging deployments of any size. Flipturn is backed with over \$15M in venture capital funding from leading Silicon Valley firms.

Flipturn is the unified control center for EV fleet and charger operations. We enable customers to maximize uptime and minimize utility costs while managing all EV operations on one platform. We provide enhanced visibility with a real-time dashboard for optimizing energy usage with charger management, analyzing costs and range, avoiding operational issues, and more.

Mission critical fleets like Republic Services, Purolator, City of Seattle, Island Transit, Martin Brower, and more trust Flipturn to manage their EV charging.

**Flipturn aims to accelerate electrification by helping depot operators get the most out of their chargers and EVs.**

### Services Provided

Flipturn is an EV fleet focused charging management software solution. Flipturn connects directly to EV chargers, fleet telematics providers, and utilities to provide one unified operational platform:

Flipturn's platform includes, but is not limited to, the following functionality:

- **Real-time dashboards:** monitoring the status of charging progress of EVs and chargers (map, grid, timeline, etc.)
- **Comprehensive charger power management features:** site-based schedules, per vehicle prioritization, scheduling, overrides, etc.
- **Detailed diagnostics:** real-time alerting, OEM-specific error details, remote reset, comprehensive health reporting, etc.
- **Utility cost reporting:** Total Cost of Ownership reporting, demand charge analysis, vehicle tagging, utility rate integration
- **EV fleet management:** range reporting, cost per mile and efficiency insights, etc.

## Value-Add

### Why do Fleet Operators use Flipturn?

Depot operators like Zeem Solutions, Forum Mobility, Island Transit, and Republic Services use Flipturn to:

- Monitor their chargers and diagnose issues
- Automatically bill fleet customers
- Provide fleet customers with limited views for increased visibility

### Flipturn's Feature List

Feature	Description
<b>Core Features</b>	
Real-Time Charger Dashboard	A real-time dashboard displaying live charger status, charging session information, and errors on a per Site basis.
Timeline-Based Charger Dashboard	A dashboard displaying historical and projected charging schedules in a timeline-like format on a per Site basis.
Multi-Site Support	Support for chargers across multiple sites. View charging sites geographically on a map.
Charging Session History	View the charging session list from all connected chargers on a per Site basis.
Charging Session Details	View power curves of associated charging sessions from all connected charges.
Vehicle Identification	Associate an identity (vehicle name and additional information) to vehicles that charge at Flipturn-connected chargers via MAC ID.
Tagging & Tag-based automation	Associate vehicles with tags; tags propagate to the charging sessions associated with those vehicles.
<b>Charger Power Management</b>	

Site-Based Power Controls	Set site-based power limits across all chargers on the site. Site-based schedules can be set with variable limits across the day. Sites without existing demand limits can often see savings of 30%-70%.
Vehicle Charging Prioritization	Prioritize certain vehicles to charge before others by setting charging priority.
Charger Power Overrides	Manually override the charging power for an individual port.
Charge Completion Estimates	Platform intelligently estimates the estimated time when charging will be completed.
<b>Charger Reliability, Diagnostics, and Alerting</b>	
Charger Health Report	View and understand data and KPIs that indicate charger health, including uptime percentage.
Charger Issue Alerting	Text and email alerts for charger issues, including loss of connectivity and errors.
Charger Error Detail	See whether a charger error impacted charging, and any additional OEM-provided information for quick issue resolution.
Charger Diagnostics	View and understand diagnostic information that may help resolve charger issues.
Remote Charger Reset	Perform soft and hard resets to the charger via the Flipturn Dashboard.
OCPP Log Access	Access OCPP logs from charger in software.
<b>Additional Reporting</b>	
Demand Reporting	View aggregated site power demand from chargers and understand demand fees.
Utility Cost Reporting	View site power costs and demand across different time of use periods.
LCFS Reporting	View and export LCFS reports, directly in the Flipturn Dashboard.
ESG Reporting	Overall sustainability statistics (e.g. CO2 saved) for charging sessions.

Charging Summary Report	Report on overall charging session data and energy usage. Including the amount of energy by charging session, charging per site, and charging over time.
Vehicle Reporting	If telematics is integrated, vehicle reporting on cost per mile, range, regenerative energy, vehicle location, state of charge, energy consumption, and more can be made available.
<b>Accounts and Access Control</b>	
Unlimited User Accounts	Add any number of users to the Flipturn platform.
Login-Gated Access	Users must log in before using the Flipturn Dashboard.
Access Control-Gated API Endpoints	Users can scope API data access down to a single site or set of chargers on a single site.