

A man and a woman are standing in front of a NovaCharge EV charging station. The man is holding a smartphone and looking at it, while the woman looks on. The charging station has a screen displaying a website interface. The background is a blurred outdoor setting.

# Deploying Successful EV Fleets

**Reliable – Efficient – Sustainable**

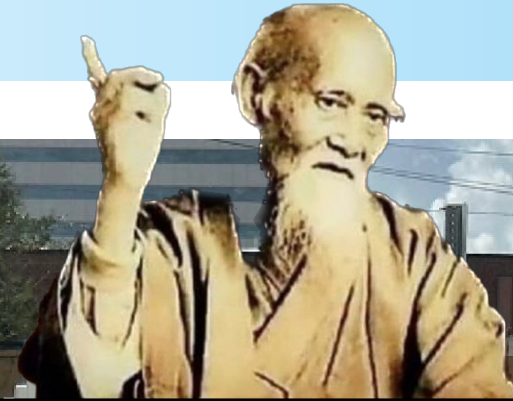
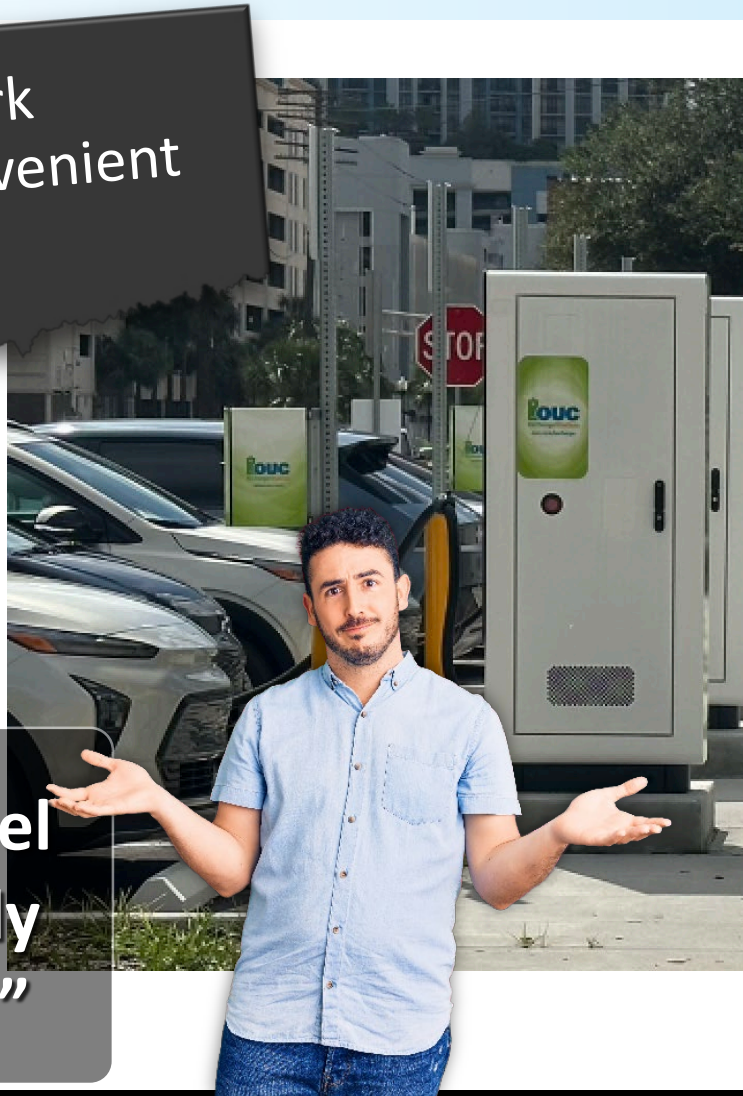
***....It's All About the Software!***

# Fleet EV Charging Needs A Reboot...

EV Charging Network  
Frustrating & Inconvenient

By Garth Roberts  
Fleet News Weekly

“I just want to fuel  
the fleet as easily  
as a gas vehicle!”



**EV Charging is UPSIDE DOWN!**

“The Fleet **MUST** be ready on time and  
without high labor costs!

Unreliable charging kills Fleet  
Performance.”

- *Wise Fleet operator*

# EV Charging Fleet Return On Investment

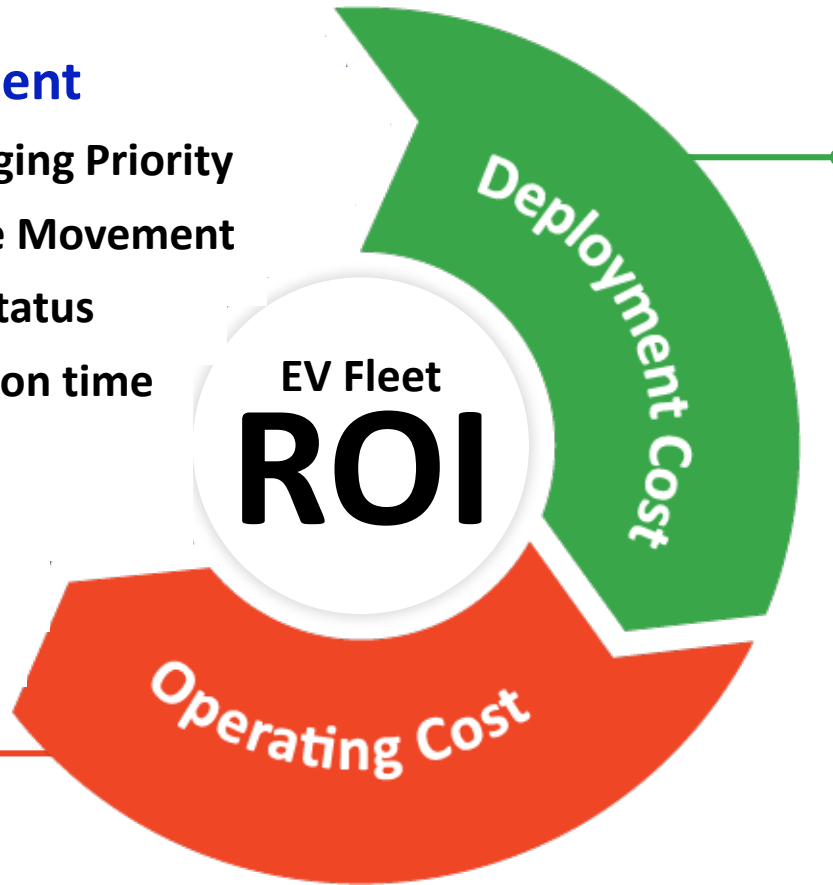
## Creating Reliable & Cost-effective Fleet Charging

### Optimized Depot Labor Management

- Determines Vehicle Readiness & Charging Priority
- Directs Depot Staff to Manage Vehicle Movement
- Notifies fleet Manager of Readiness Status
- Ensures the Quick-turn Fleet is Ready on time

### Automated Reliability:

- Curated Quality Hardware Options
- Leveraging Intelligent SW Automation to Avoid Truck Rolls



### Cost Effective Deployments:

- Intelligent Power Management
- Deferable Electrical Upgrades
- Leveraging Deployment Incentives



**Reliability Ensure Higher ROI & Fleet Operational Efficiency**

# AI-Powered EV Charging Solutions

Delivering Software-Driven ROI

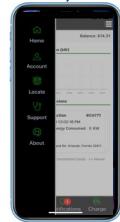


# Software Automation Leads the Next Generation EVSE Charging

EMPOWERING THE FUTURE.

Reliable EV Charging  
Enables Flexible MDU  
Business Models

World-class Driver  
Experience



7x24 Driver Care  
& Support



Real-time Management  
& Awareness

Charger Provisioning &  
Customer Authorization

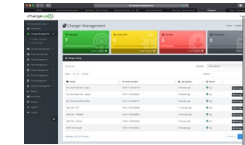
Proactive Machine-based  
Monitoring & Issue Resolution

Secure Diagnostic Access  
via NovaCharge Portal



EVSE & Driver Real-time  
Management & Awareness

Rapid-response & Issue Resolution  
Customer Admin and Field Support



Multi-vendor Open  
Standard Hardware

Utility Grade Software Control  
Secure-Robust-Reliable-Compliant

**Open EV Charging**

- Public Charging
- Loyalty Programs
- Discount Couponing
- Time-based Usage/Pricing Rules

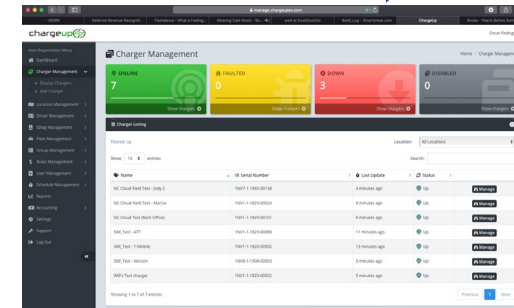
**Closed Group EV Charging**

- Employee drivers
- Fleet Drivers drivers
- Cars with fobs
- Group-based Accounting



OCCP  
Transactions

Robust Diagnostics  
Channel



Host & Station Manager Administrative Access

# Not all Fleets are Created Equal



## Overnight Fleet

Anheuser-Busch  
Jacksonville, FL



Delivering Comprehensive solutions for All Fleet Deployments

## Quick-turn Fleet

OUC Charging Hub  
Downtown Orlando



# Reliability Makes Sure the Overnight Fleet Is Charged By Morning



**Automated fleet charging accounts for vehicles at the depot and at large**

## Human Assisted Artificial Intelligence

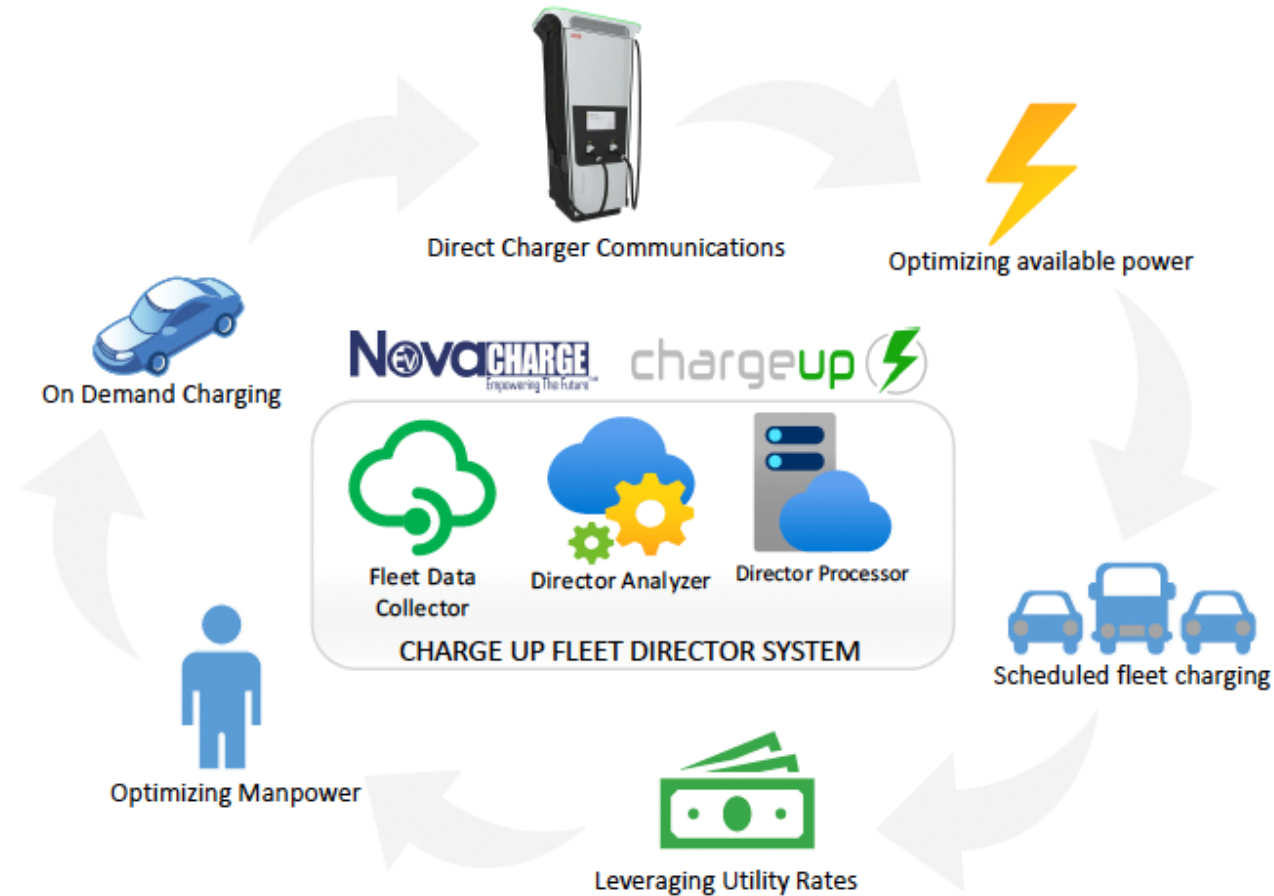
**Thoughtfully managing reliable fleet charging**

- Knows who is plugged-in
- Automatically handles operational issues
- Adaptable to varying situations
- Hands off to human agents when needed
- Enhanced notifications to fleet drivers



# Optimizing the Quick Turn Fleet – Onsite Depot Charging

*On-network usage & billing, plus Fleet Management Labor Optimization*



## Quick-turn Fleet Depot Management Optimization

- Ensure fleet vehicles are charged when needed.
- Reduce manpower costs by efficiently dispatching drivers to move vehicles as needed.
- Reduce charging costs by charging vehicles around utility demand rates and depot / offsite charging availability.
- Enable managers to predict needed manpower to maintain high level of efficiency.
- Efficiently use charging capacity by leveraging vehicle charging performance curve and available charger outputs.
- Assist providing Hertz customers with the best EV rental experience possible by ensuring vehicles are charged when they are needed.

**Fleet Depot Optimization Lowers Overall Cost of Managing EV fleet**

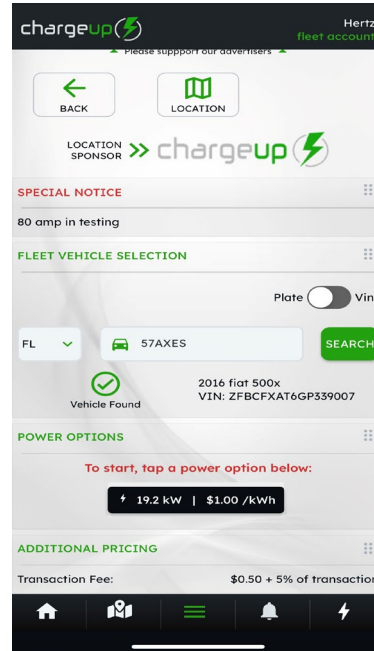
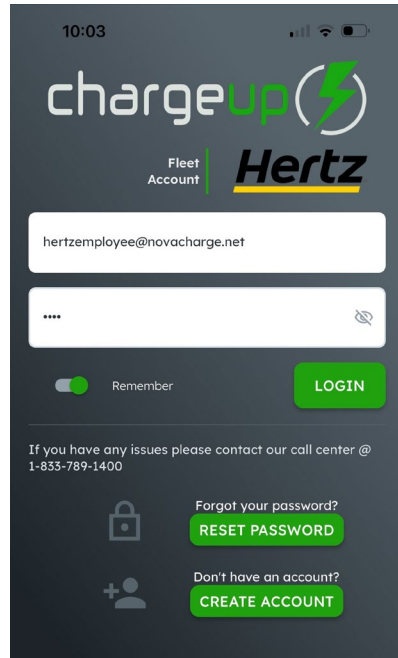


# Optimizing the Quick Turn Fleet – Offsite Public Hub Charging



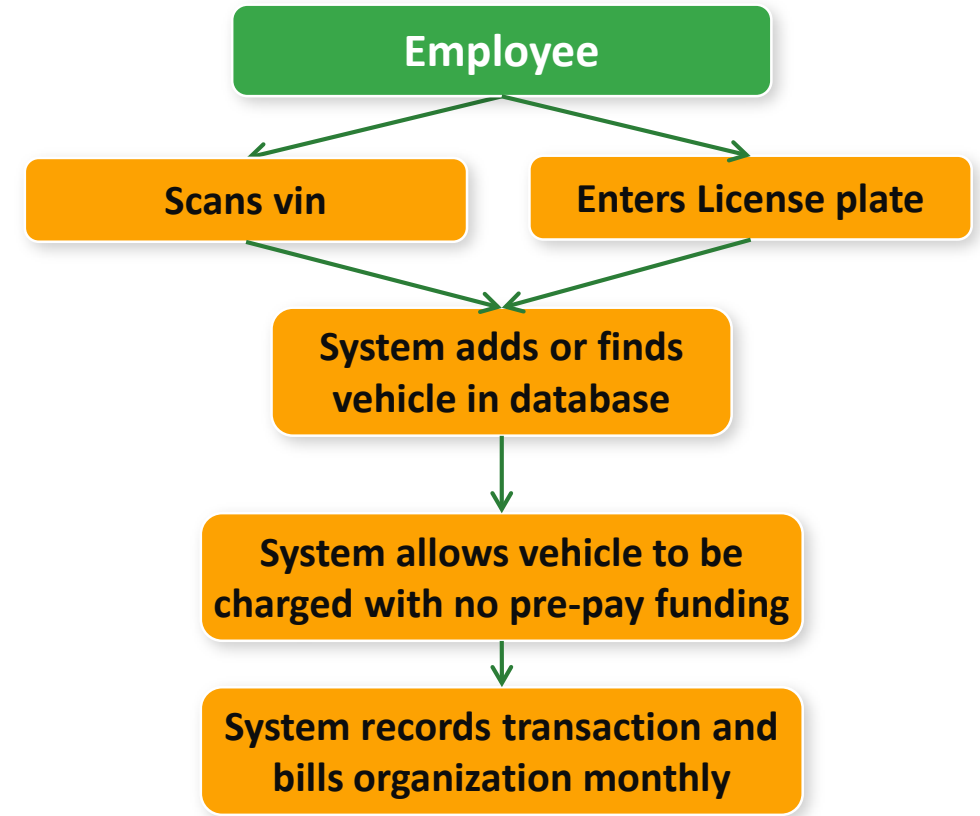
Off-network usage & billing

**Use Case:** Be able to scan a fleet vehicle identifier (vin) and charge at a charger not owned/operated by organization + net 30 billing



“Transporter” labor cost-savings Driven By Software Optimized EV Charging Management

## ChargeUP Offsite Fleet Director System



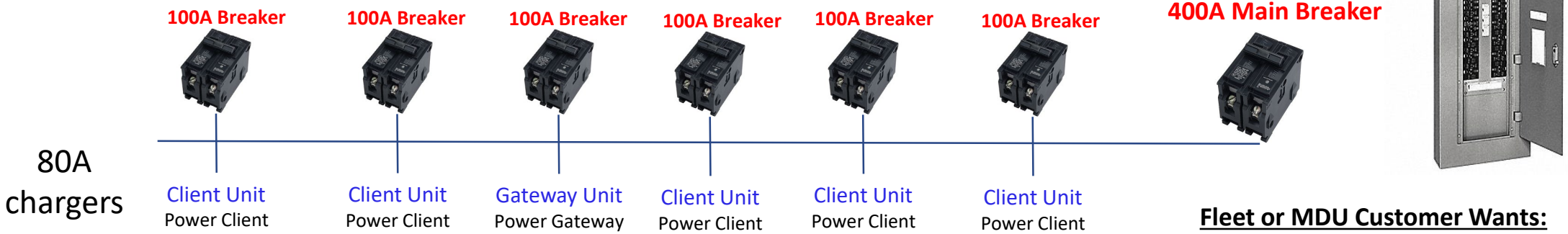
Software Delivered to Major EV Rental Firms in Orlando

# Balancing Available Power to Charge the Fleet

## Power Management – Local Dynamic Power Mode



**(320A of Available Power)**



80A  
chargers

- Fleet or MDU Customer Wants:**
- Installing 6 Chargers in one or more Locations
  - Must dispense Max Power When Possible

**Full Batt**

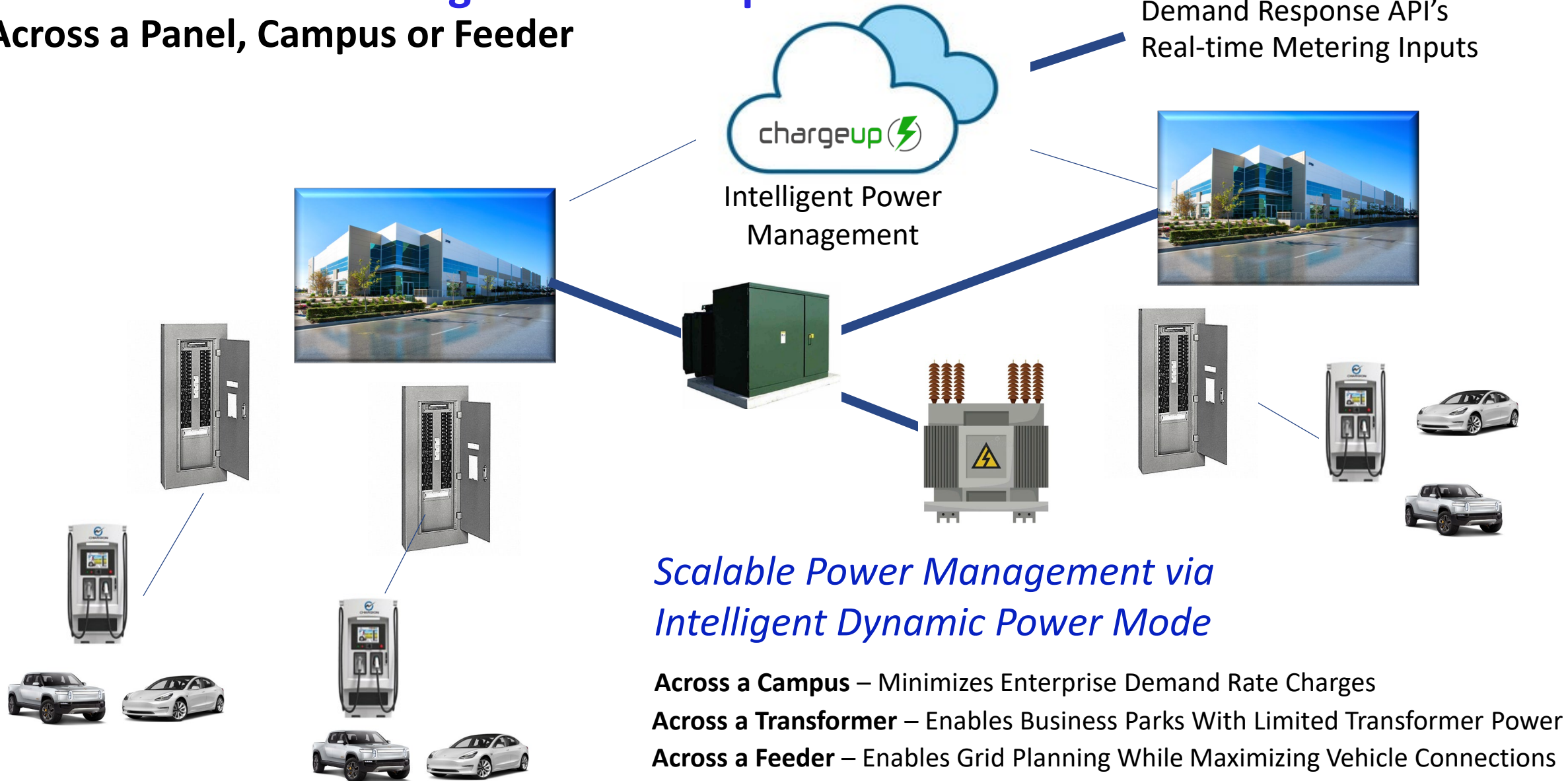


	Total Amps Dispensed By Main					
T1:	80A					80A
T2:	80A	80A				160A
T3:	80A	80A	80A			240A
T4:	80A	80A	80A	80A		320A
T5:	64A	64A	64A	64A	64A	320A
T6:	50A	50A	50A	50A	50A	300A
T7:	0A	50A	50A	50A	50A	250A
T8:	0A	64A	64A	64A	64A	320A



Intelligent Cloud-enabled  
Power Management

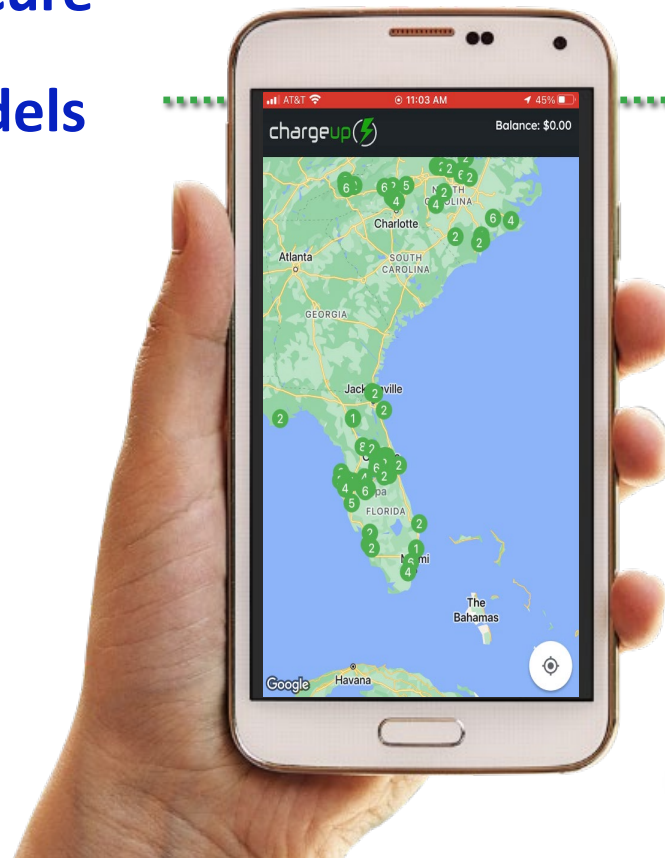
# Universal Power Management for Depot Across a Panel, Campus or Feeder



# Delivering the Fleet Software Advantage



- Utility-grade: Reliable, Scalable, Secure
- One System, Multiple Business Models
- World Class Driver Experience
- Positive ROI for EV Charger Owners
- Lucrative Advertising Model



ChargeUp Driver App

EV Charging App

NovaCharge, Inc.

★★★★★ 3.0 • 11 Ratings

Free

Apple & Android

ChargeUp

Plus4U Net

1.7★  
20 reviews

1K+  
Downloads

Everyone 0

Install

Add to wishlist

You don't have any devices



# Cities of Orlando/Tampa, OUC, TECO, Anheuser-Busch, Exelon

- Solutions for both **Overnight Fleets** and **Multi-Shift Fleets**
- Manage Power to Allow More Cars to charge at the Depot
- Accounting for Fleet Vehicles Wherever They Charge
- Seamless fleet driver experience @depot, @home, @large
- Optimize the Depot Labor to ensure vehicles are ready when needed, while lowering vehicle management costs
- Integration to Vehicle Telematics, Fleet Management and Business systems software





# AI-Powered EV Charging Solutions

Delivering Software-Driven ROI

