

# Siemens eMobility

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**SIEMENS**



## Coverage, Support and Experience

**75,000+**

Charging points (2010-2021)

**≈11 Years**

EV Experience

**Support**

2,800 Channel Partners  
1,000+ Siemens Sales  
1,000's of Siemens service  
support personnel

**Global Focus**

EV Products for UL / IEC / CE / GB/T

## eMobility Americas Footprint

### R&D / Corporate Office

AC Charging	Atlanta, GA
DC Bus Charging,	Atlanta, GA
Charging Software	Atlanta, GA / Germany



### US Factory Footprint

AC Charging	International New plant in F22 in USA
DC Charging	Wendel, NC Alpharetta, GA
Make-ready Panels	Wendell, NC Spartanburg, SC Grand Prairie, TX Pomona, CA

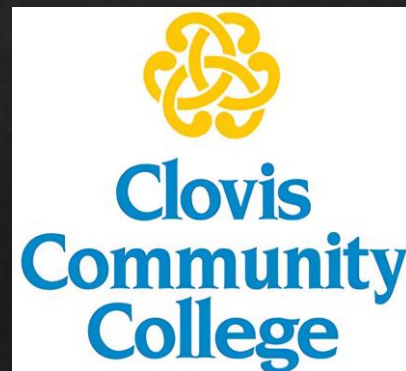


# Locations : Close to our customers with our global go-to market structure



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## Current Siemens projects in New Mexico





# eMobility Product Offering

## The industries most comprehensive Electric Vehicle offering

### Commercial & Residential AC Chargers "Level 2"



#### VersiCharge

Home, Workplace,  
Parking areas, longer-  
term stop locations

- \* **9.6kW & 11.5kW**
- Cell, Wi-Fi, OCPP, **Modbus**, I/O, RFID / QR Code

### DC Fast Charger "Level 3"



#### Ultra50™ / Ultra175

- short term stop locations
- **50kW / 175kW**
- Wi-Fi, Cell, RFID,
- Credit Card,
- OCPP coms
- 30 min to charge

### DC Heavy Duty Plug-In Charger



#### SiCharge UC™ Plug-In

- Fleet, eBus & Depots
- **150- 800kW**, 200-950V
- Up to "4" remote dispensers or Pantograph

### Overhead Bus Charger



#### SiCharge UC™ Pantograph

- eBus & Fleet charging
- On-route or Depot charging
- **300kW - 600kW**
- OCPP Coms

### Cloud Service Offerings



#### Care, Charge and Control

- IoT cloud Reporting, trending, control, alarming and billing
- Open connectivity to any OCPP charger

## Recent Siemens EV Announcements


2022:

Expand EV Charging Manufacturing in the United States to Support Rapid Market Growth.

Commence manufacturing of over **1 million** EV chargers for the US over the next four years.



**Plant History**



# High Voltage DC Chargers Sicharge UC™

## Level 3 DC Level 3 Ultra50 and 175 kW™

### Features

- Dual cord accommodates CCS1 and CHAdeMo plug
- Communication via 3G/4G wireless or ethernet wired
- Options include built-in credit card reader and RFID capability
- 175 kW model has external module for power electronics
- Liquid cooled power electronics
- 50 kW unit is proven and widely used in North America, 175 kW unit builds European success (480V, 3 ph, 100A breaker)



**50 kW**



**175 kW**

**The charger can be custom-wrapped to reflect NM State Branding**





# VersiCharge™ AC Level 2 Commercial Chargers

## Parent / Child Solutions

### Features

- 9.6 or 11.5kW
- Adds **Modbus** TCP / Serial and Wi-Fi / Ethernet, Cellular OCPP communications.
- **Billing or On/Off control** with standard RFID reader. optional QR code or cloud services

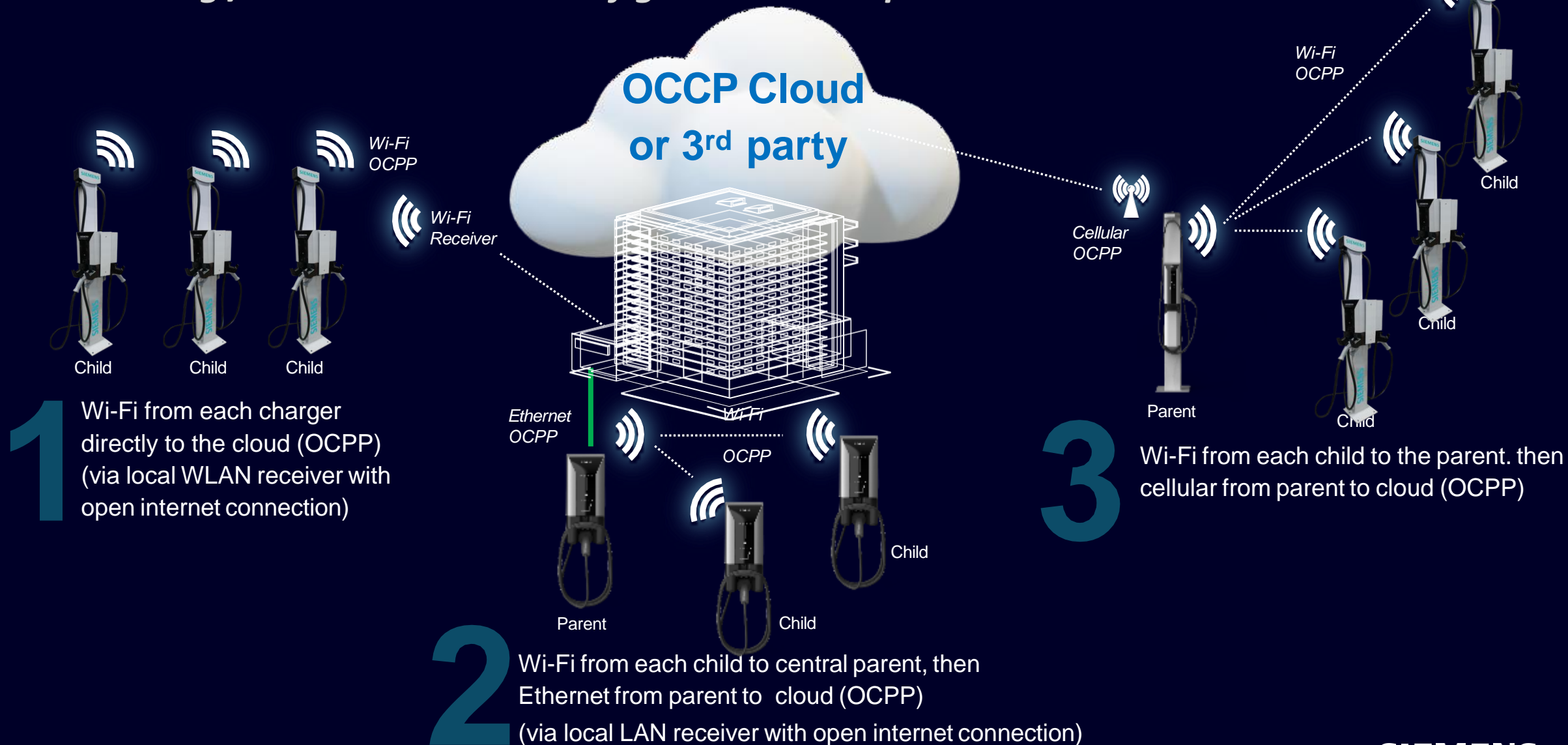


- **Child Unit** - Wi-Fi, serial and ethernet and can link to parent charger for easy multi unit installation

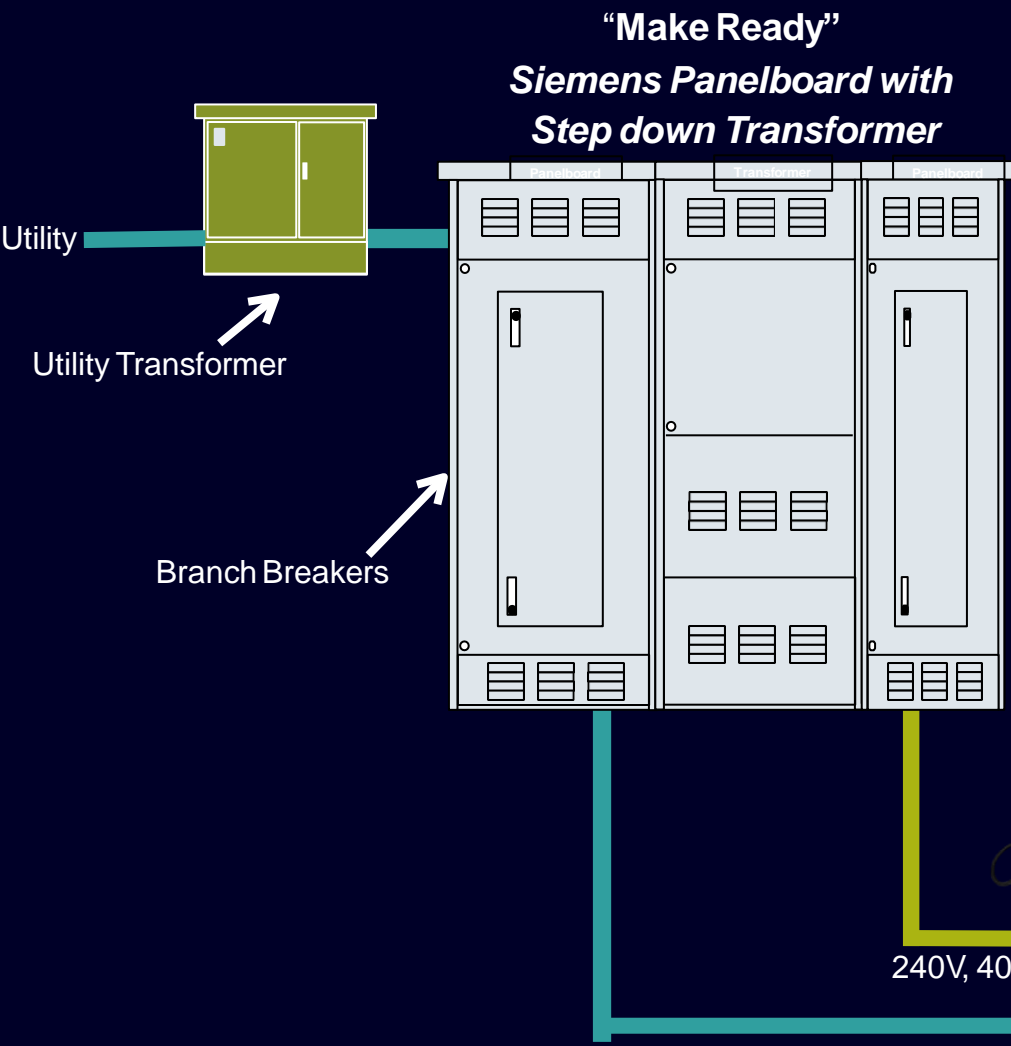
**Parent Unit** – includes Ethernet & Cellular gateway and supports up to 9 Wi-Fi chargers in star network

# VersiCharge AC Series

## OCPP Billing / Service Network Configuration Examples



# Ultra50™ DC Fast Charger PlugtoGrid™ Offering Combined DC / AC Example



## Applications:

- Parking lots
- Rest Stops
- Fleet Depo's
- Chain stores
- And more



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# eMobility Open Ecosystem Cloud SERVICE OPTIONS

## Simple service packages for maximum flexibility



### CARE+

#### CARE Provides:

- Warranty Management
- Remote support & troubleshooting
- Automatic Updates
- Connection to Building Management system

### CHARGE

#### CHARGE Package:

- Monitoring, reports, Billing Services, Pay-to-Charge offering with flexible rates, fixed rates, and more
- Owner Dashboard providing complete network visibility

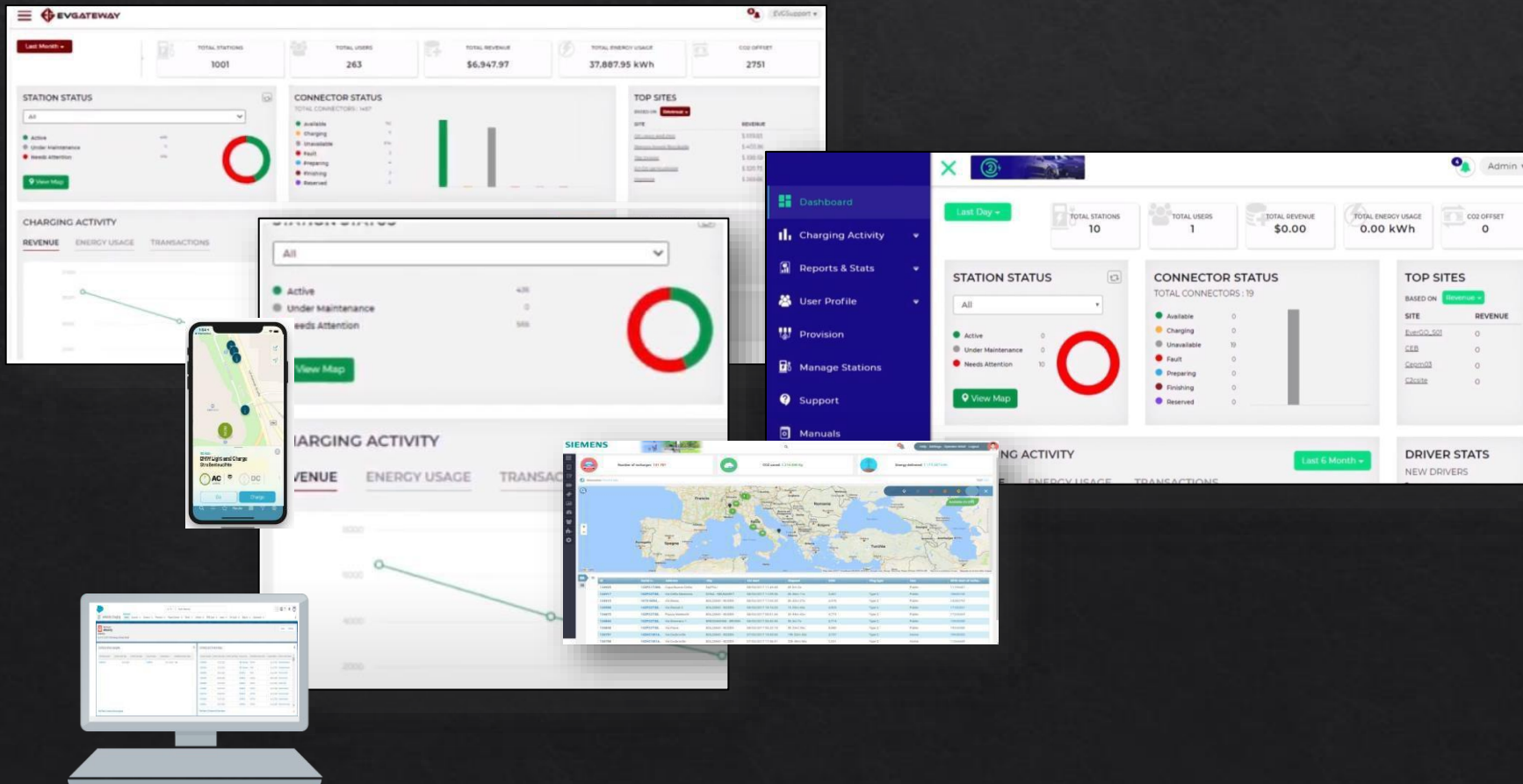
### CONTROL

#### CONTROL Package adds on:

- Dynamic Load Control
- Static Load Control
- Max Load Management

# The Owner Management Experience

Comprehensive overview, energy used, revenue earned, email reports, setup Promo Codes, groupings and more







# Kaptyn™

## RIDE SHARING SERVICE

- Charging over 100 Teslas
- First Site – Las Vegas
- Coming to major US Cities

# Sustainable Transportation Network

Rides, Routines, Experiences



# EXAMPLES

Siemens eMobility projects are transforming EV technology everywhere



SC State Park Ribbon Cutting



Hawaii's New EV bus Depot expansion

City of  
Newberry, SC



Amazon depot &  
warehouse Parking, CA



Frank Lloyd Wright Home, PA



FORD Partnership –  
Engineering / Design



Santee Cooper Utility  
Headquarters, SC



Tucson, AZ Transit Order with Gillig  
buses



# Sixty-one Versicharge Level 2's plus Cloud Monitoring Guadalupe, Texas

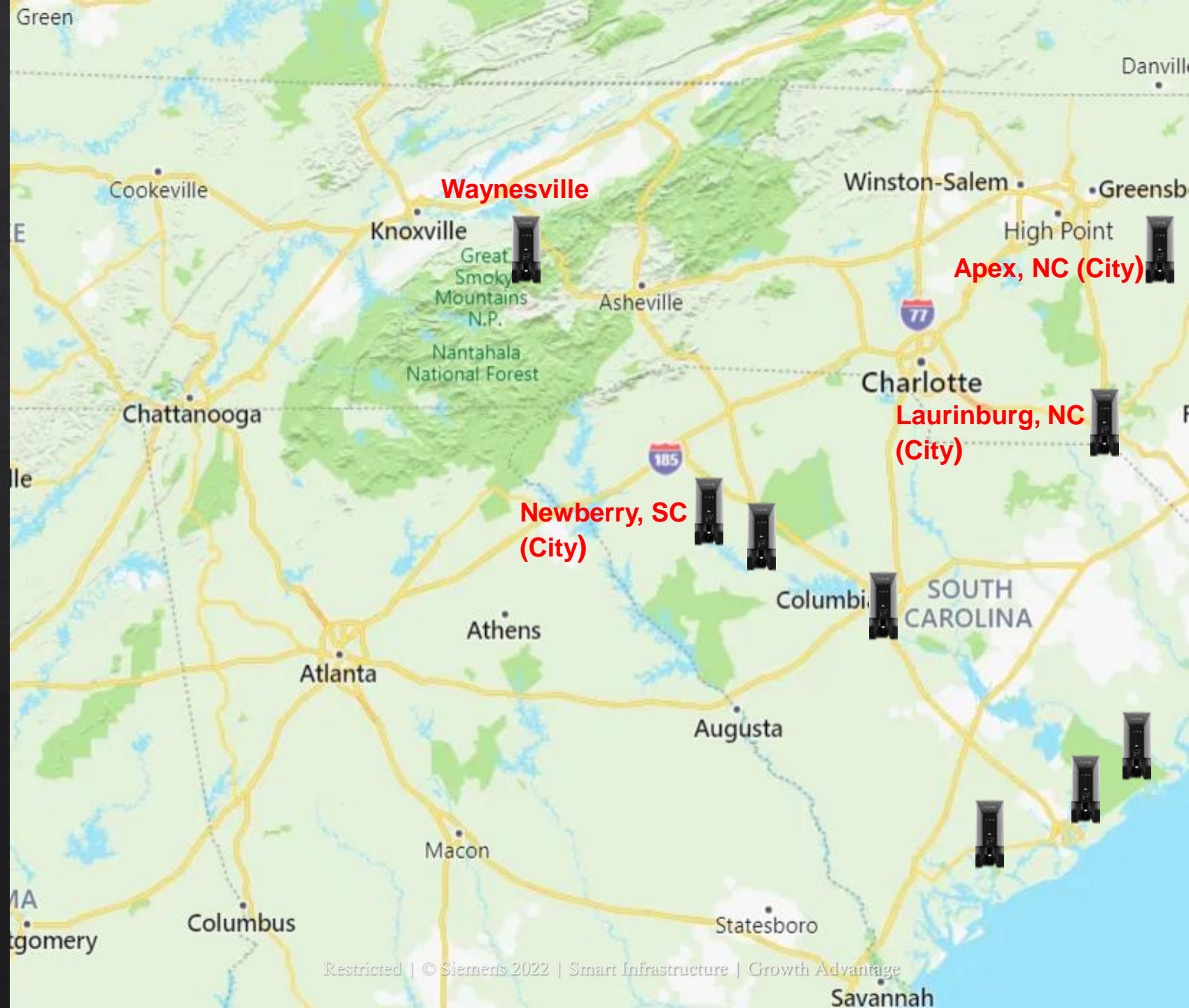


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# Carolinas Expansion:

- Columbia, SC (State Park)
- Newberry, SC (City Utility)
- Laurens, SC (City)
- Laurinburg, NC (City)
- Haywood, NC (City CoOp)
- Waynesville, NC (City)
- Apex, NC (City)
- Monks Corner, SC (Santeer Utility)
- Myrtle Beach (Santee Cooper Utility)





## ◆ First eHighway in Germany

High energy efficiency  
for truck transport

Unrestricted | © Siemens 2022 | May 2022



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## Siemens, Ford Collaborate on F-150 Lightning Charge Station



The 80-amp charging solution is the first bi-directional unit to achieve UL 9741 certification.



# Questions

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*Ingenuity for life*

**FASTCOMPANY**

WORLD-CHANGING COMPANY OF THE YEAR  
**SIEMENS**

**FORTUNE**  
WORLD'S MOST  
**ADMIRED**  
COMPANIES 2019

Forbes 2022  
**THE BEST  
EMPLOYERS  
FOR DIVERSITY**

POWERED BY STATISTA

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New Mexico Senior Project Manager

Siemens Smart Infrastructure

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