



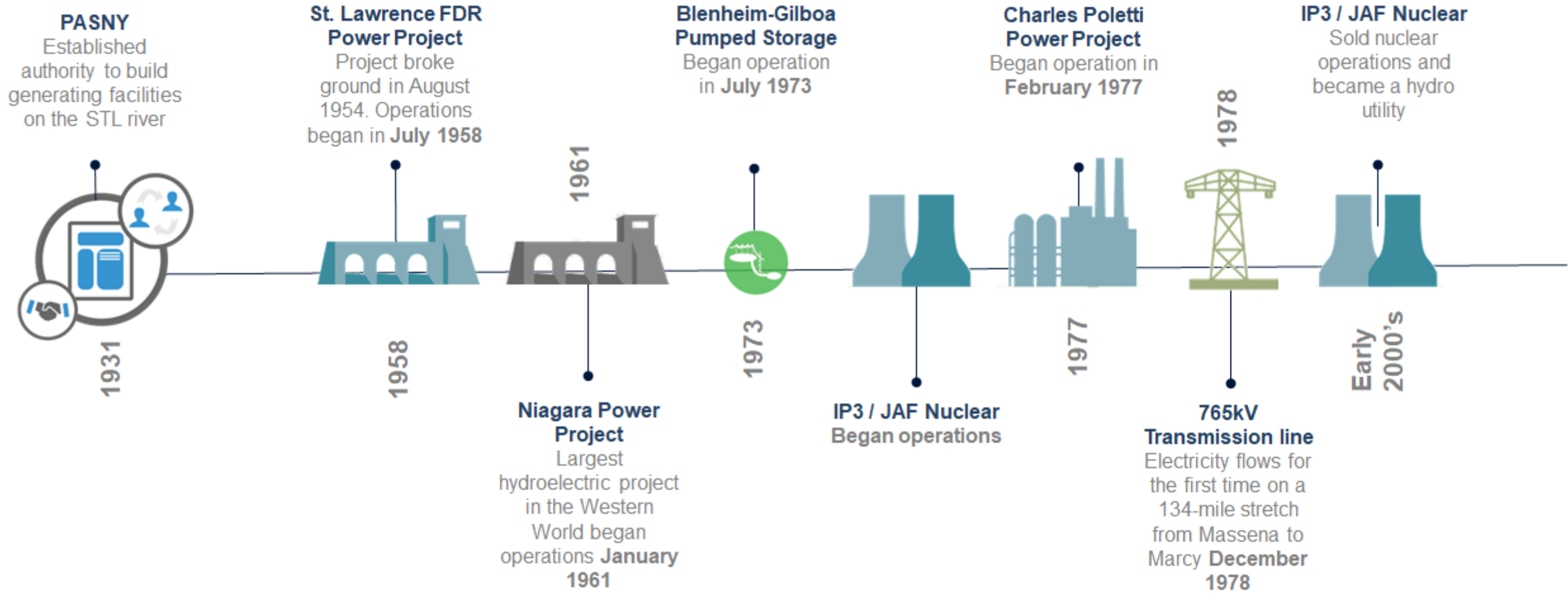
A Program of the New York Power Authority

EVOlve NY Overview

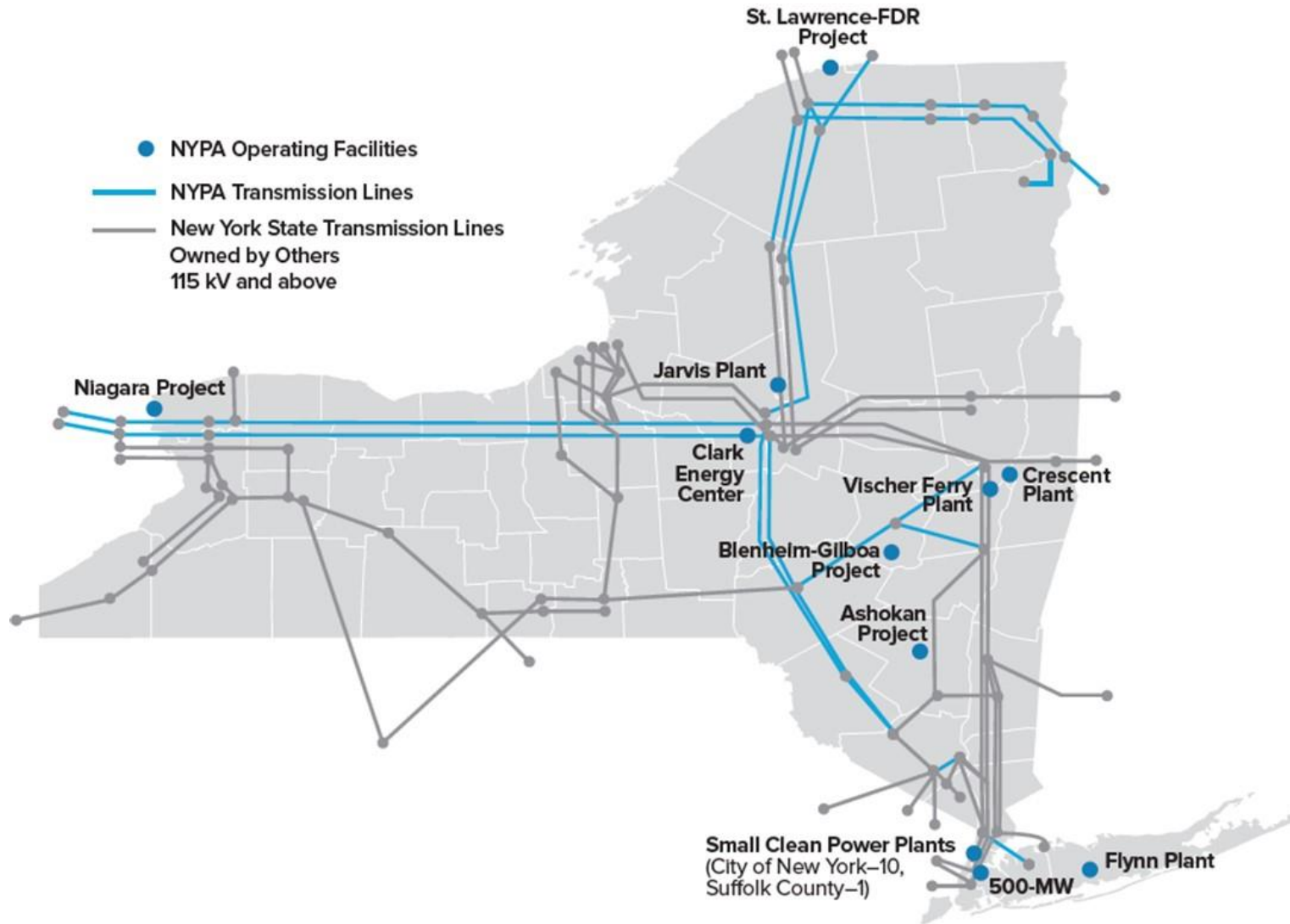
Raj Diwan: Director Strategy & Business Development

March 2021

Established in 1931, we are the largest Public Utility in the nation.



NYPA's Operations



Scope

- Generate ~25% of the State's electricity
- ~1,600 employees across New York State

Assets

- 1,400 circuit-miles of transmission lines
- 17 hydro and natural gas generation plants with combined boilerplate rating of almost 6 GW

Impact

- Sustain more than 380,000 jobs through economic development
- Invest over \$250MM each year in efficiency projects

CLCPA: Climate Leadership & Community Protection Act

State policy goals target 100% carbon-free electricity by 2040 and economy-wide, net-zero carbon emissions by 2050.



Why Transportation?

~40% of emissions stem from Transportation - the most polluting sector

~100% of road transportation will need to be carbon free by 2050!

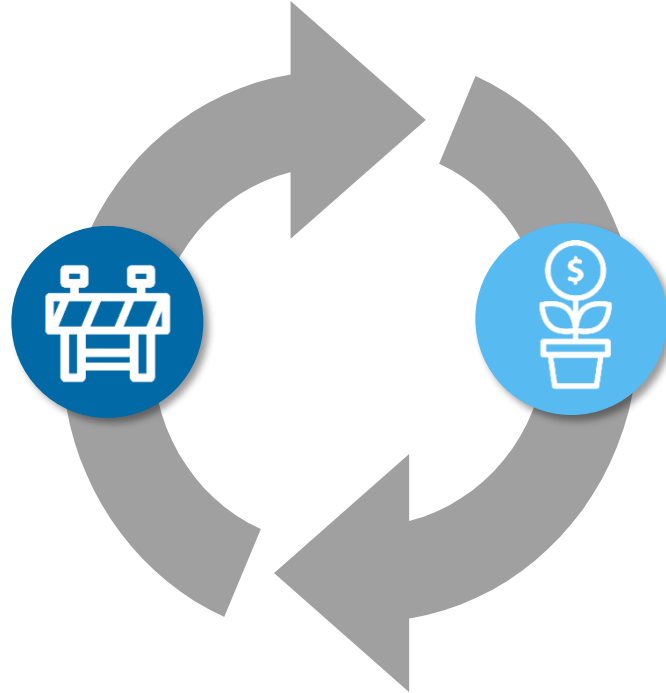
Objectives

Up to \$250M investment through 2025 to increase EV adoption and address challenges to de-carbonize the transportation sector.

BARRIERS TO ADOPTION OF EV'S

Focus on tackling infrastructure challenges

- Making EV's the easy choice
- Build Public DC Fast Charger (DCFC) backbone
- Optimize regulatory environment



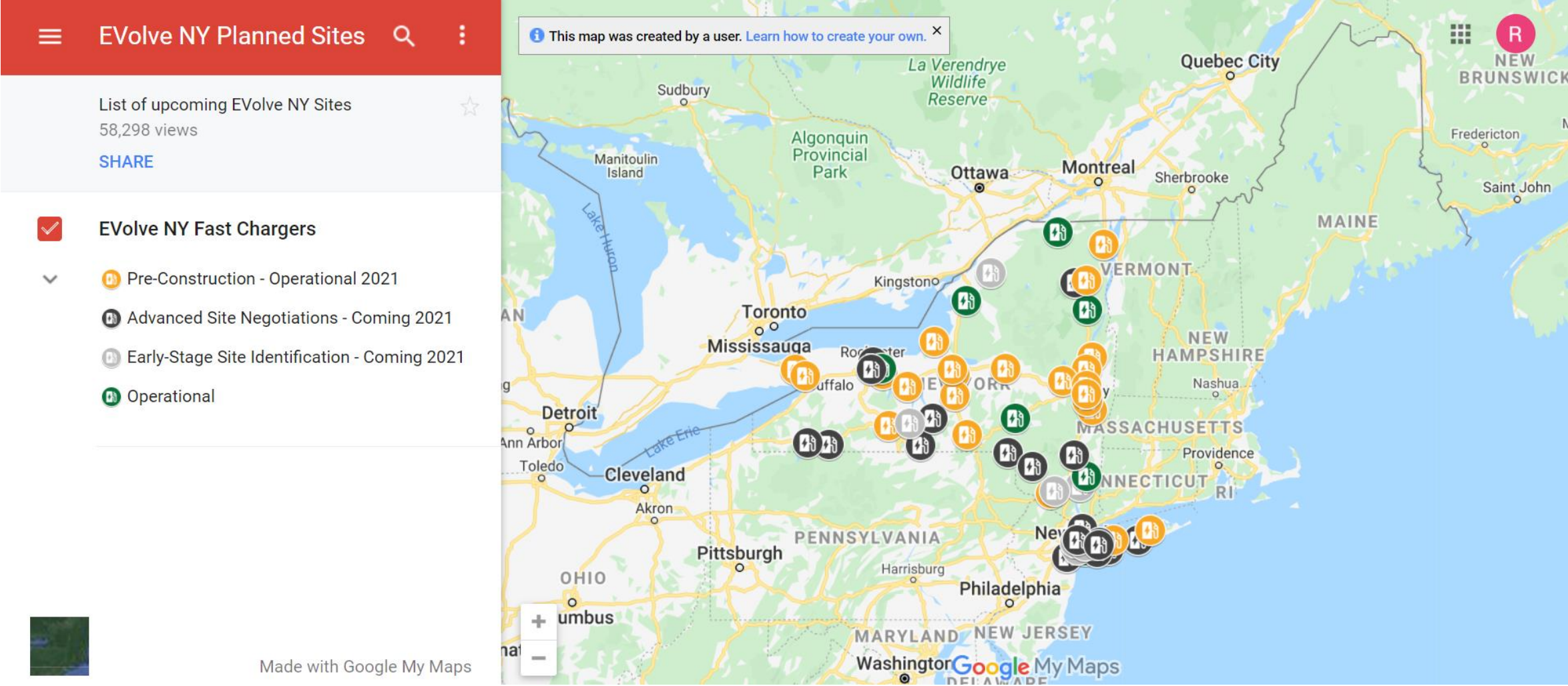
LACK OF PRIVATE INVESTMENT

De-risk the market for the private sector

- Catalyze, not crowd
- Combine NYSERDA, DEC and other funding
- Identify scalable business models, pricing structures and data sharing

Deployment Status

Our focus during Phase 1 is to deploy 150-200 Public DCFC by EY2021.



Deployment Spotlight

Largest vehicle agnostic Charging Hub in the Northeast, with 10 DCFC's at JFK Airport, including 4 Tesla adaptors.



Deployment Approach

Leveraging multiple hardware, software, and construction vendors to comprise overall Public DCFC network.



BTCPower



ABB



Signet



Verdek



- Typically (4) DCFC's per site (150kw – 350kw)
- Credit Card/Mobile Pay at each charger
- Dual CCS, with Chademo support
- Tesla Adaptor at select sites

• Numerous Points of Interface:

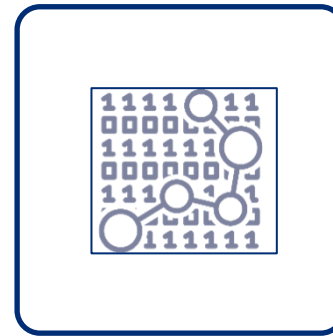
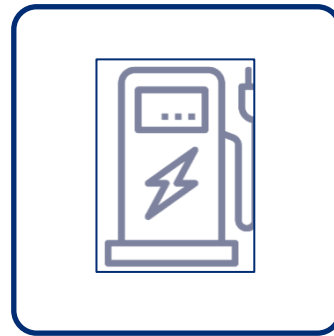
- *Hardware*
 - Components/Other
 - Software related to the Hardware itself
- *Network Software*
- *Credit Card Reader*
 - Physical hardware for the terminal
 - Separate Software

Key Challenges

Customer Experience & Reliability are paramount. EVolve NY represents a new business line that is 100% public/consumer facing, and will leverage support across NYPA and our partners to ensure success.

ASSET MAINTENANCE

Situational awareness, repair/replace program.

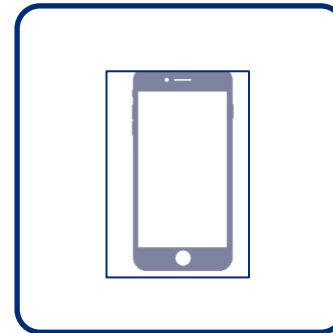


NETWORK OPERATIONS

Uptime (outage vs. “non-outage” issue”), number of attempts, successful/unsuccessful charging events, payments by type, etc

VENDOR MANAGEMENT

Technology, software, data and cyber SLA’s with third party vendors.



CUSTOMER SERVICE

Development and maintenance of customer service application, hotlines, etc.



“If you can make it here,
you can make it
anywhere..”

Frank Sinatra

Thank You