



# esmito

**One-stop Integrated Solution for Smart Management of EV Infrastructure**

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Co-Founder and CEO



India has started its EV journey

## Needs for Faster EV Adoption

LOWER TOTAL COST  
OF OWNERSHIP

BETTER VEHICLE  
UTILIZATION

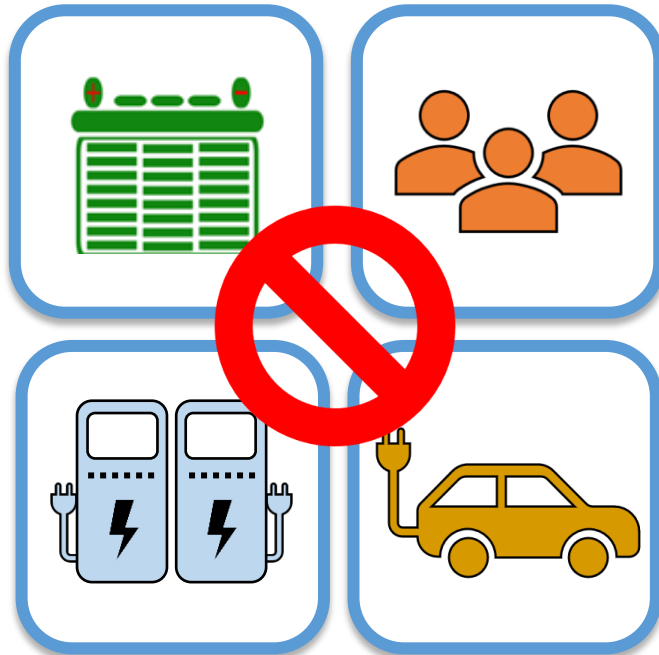
COMPARITIVE  
ANALYSIS

EASE OF CHARGING

BATTERY USAGE  
OPTIMIZATION

INTEROPERABILITY

# CHALLENGES



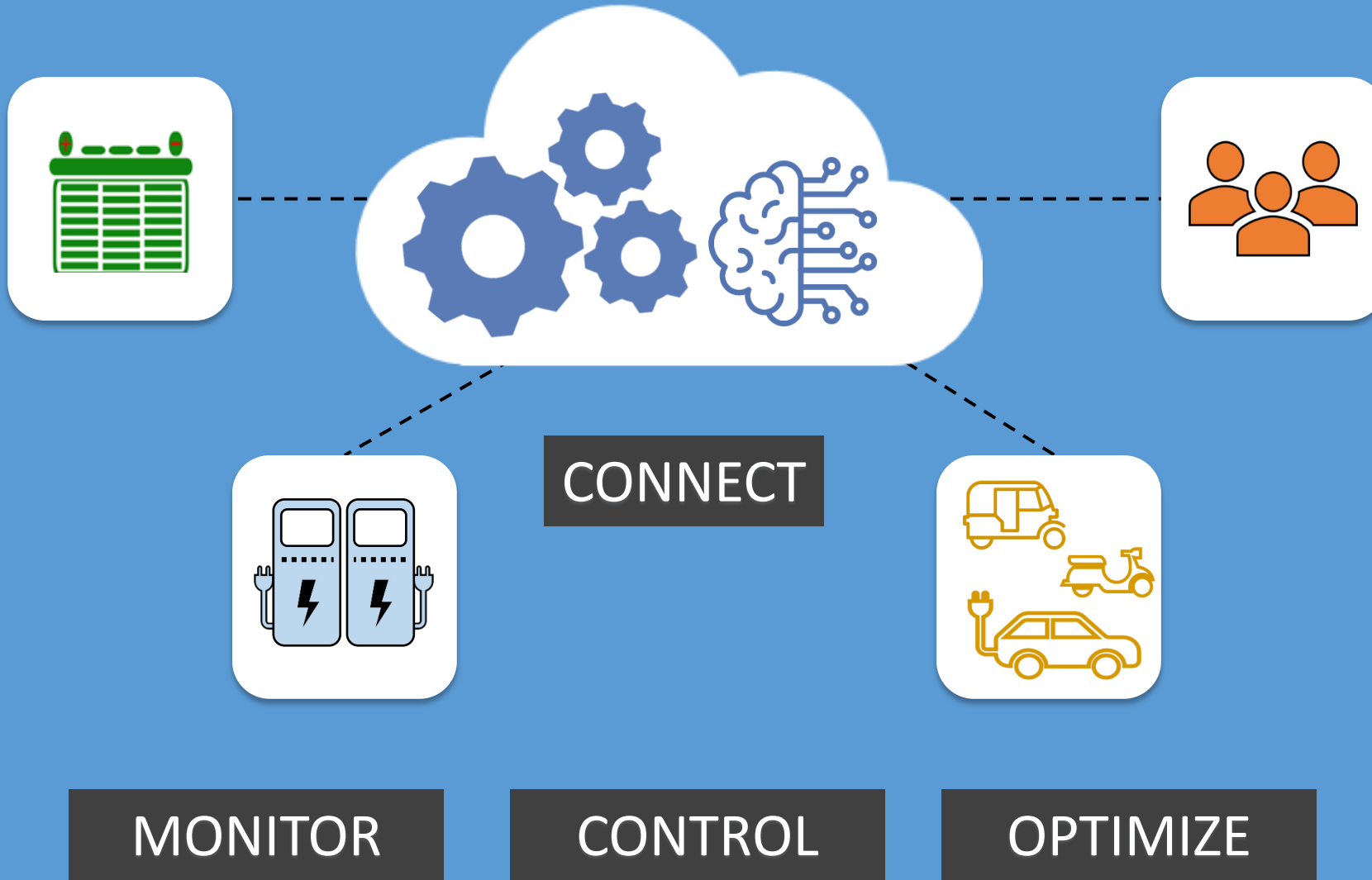
Stand-alone elements of EV landscape

Lack of Technology Insight  
Non-optimized Assets Utilization  
No transparency on Battery Life/Performance  
Misuse/Theft of EV Assets

**Inefficient  
Operation**

**Low EV  
Adoption**

# OUR SOLUTION



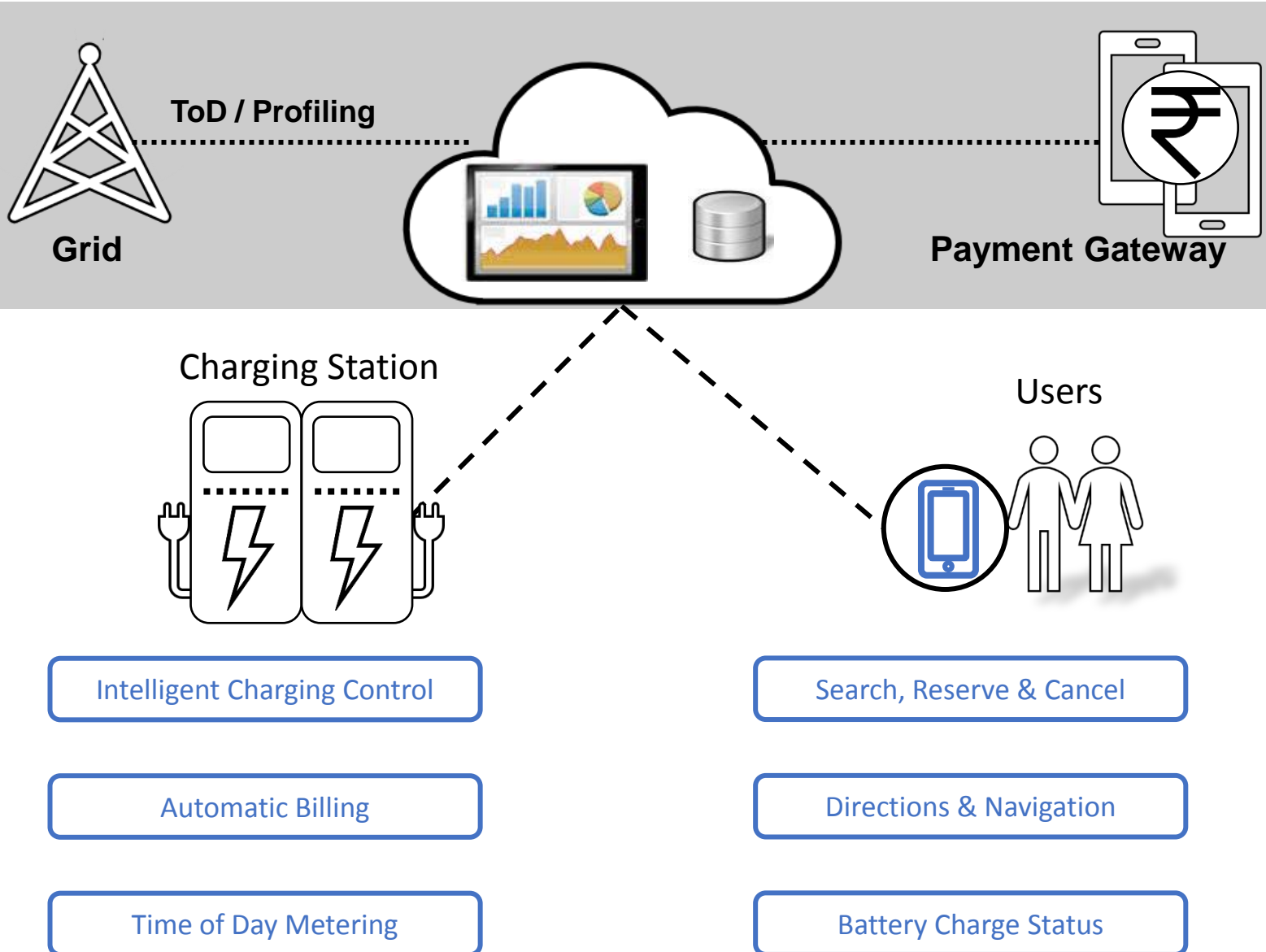
**SAAS based Platform**

**Data Processing Engine**

**ML based Data Analytics**

**Insightful Reports**

**Advisories**



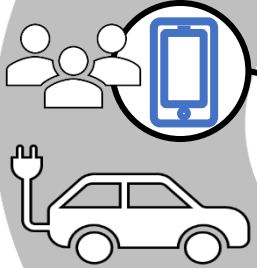
## Infrastructure Providers

- ✓ Pan-India Network Management
- ✓ Charger & User Management
- ✓ Authentication & Authorization
- ✓ Usage Profiling of Chargers
- ✓ Automated Reports & Analytics
- ✓ Preventive Maintenance

# Swapping Infrastructure

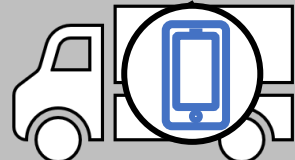
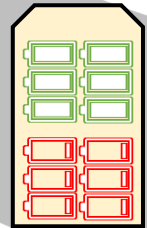
## Drivers & Customers

- Ride / Hail EV
- Find, Reserve & Cancel S/O
- Directions & Navigation
- Battery Charge Status



- Swapping & Earning Record
- Smart Battery Management

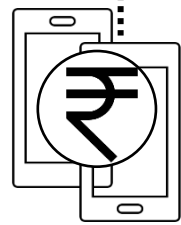
## Swapping Outlet



## Logistics

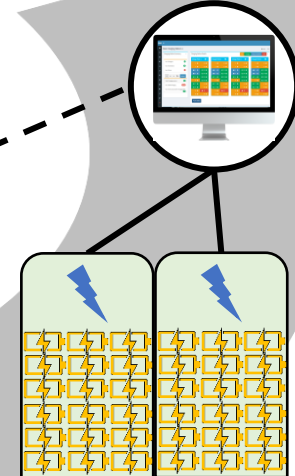
- Route Tracking
- Inventory Control

## Payment Gateway



## Bulk Charging Station

- Intelligent Charging Control
- Automatic Billing
- Smart Battery Management
- Inventory & Logistics Management



## Energy Operators

- ✓ Pan-India Network Management
- ✓ Authentication & Authorization
- ✓ Automated Reports & Analytics
- ✓ Asset & User Management
- ✓ Smart Battery Management
- ✓ Preventive Maintenance





# PILOT PROJECTS

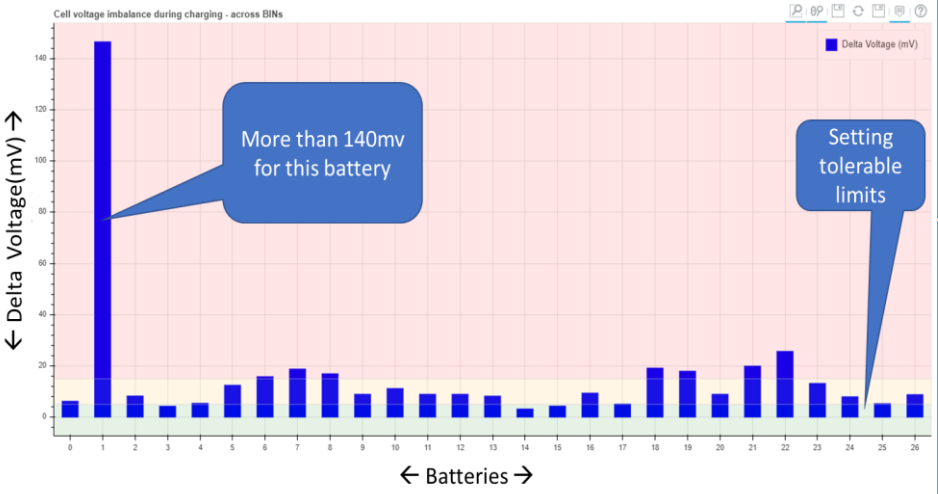


Tamil Nadu



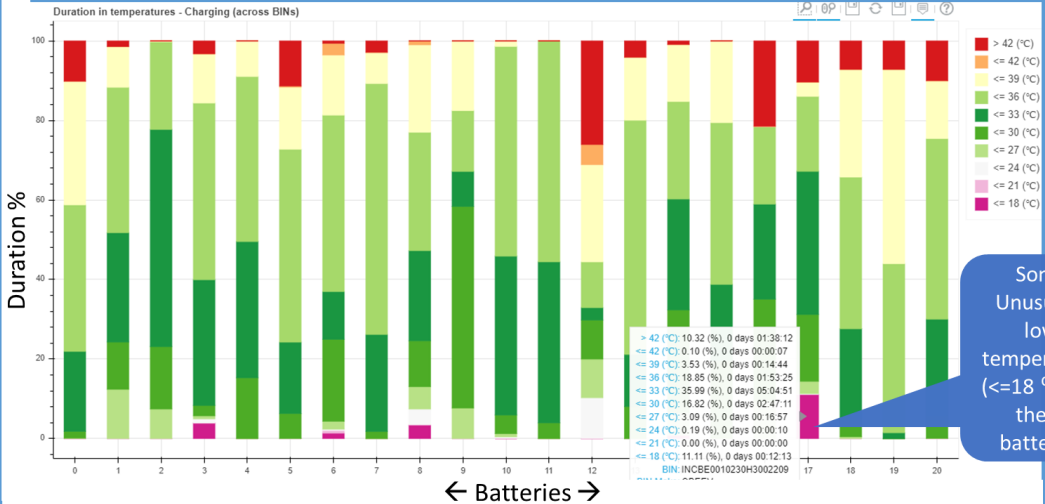
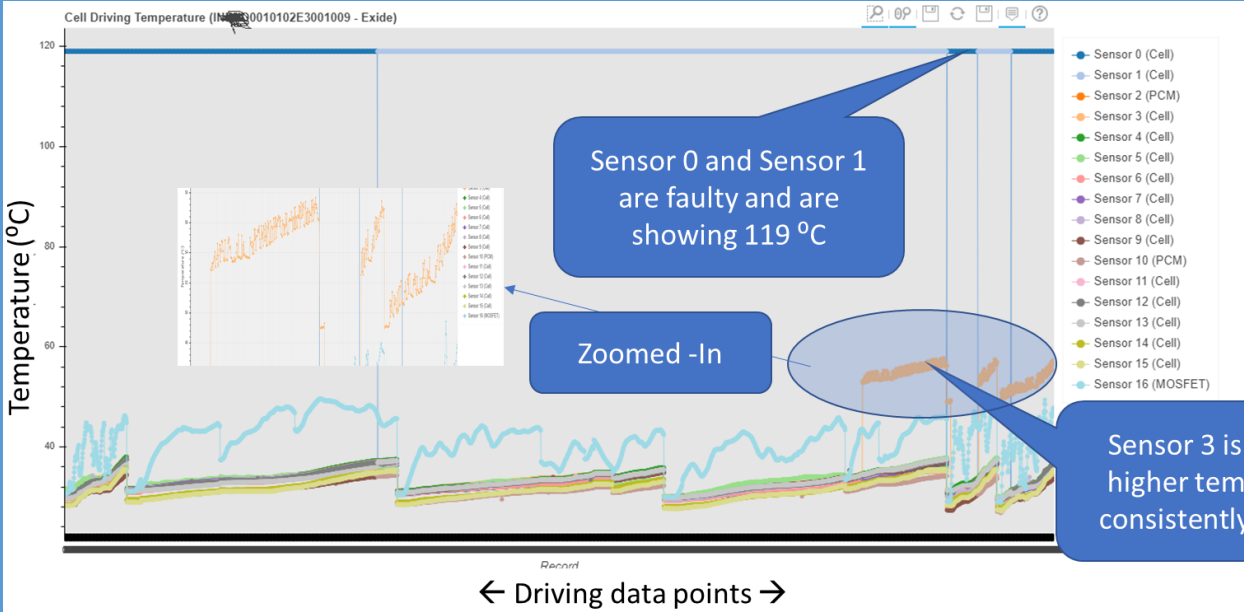
Punjab

# SAMPLE ANALYTICS: BATTERY



Cell Voltage Imbalance during Charging

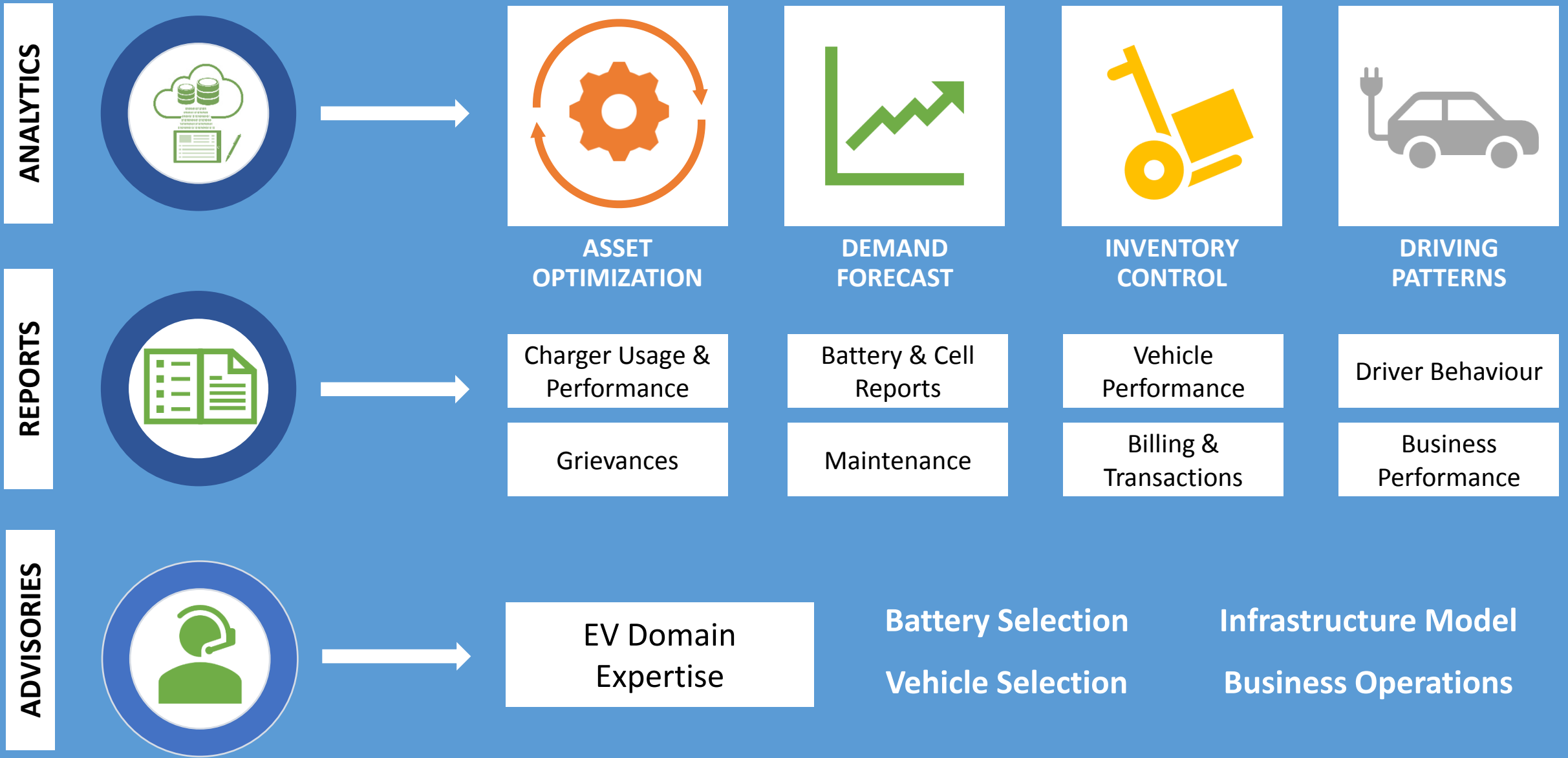
Time Spent by batteries in different temperatures during charging



FAULT RECOGNITION



# DATA ANALYTICS & REPORTS



Platform  
Tested With



12 OEMS

(BATTERIES, VEHICLES, CHARGERS)



5 OPERATORS



6 CITIES

DATA



420 Million  
Data Points



235,000 Km  
Monitored



7500  
Swaps



520  
Charging Ports



Reach out to us  
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