

A close-up photograph of a blue electric vehicle charging station. A grey and black charging cable is plugged into the station, which is illuminated from within, casting a warm glow. The background is blurred, showing the side of a dark-colored vehicle.

**Optimizing Utilization of
Charging Infrastructure
for Heavy-Duty Vehicles:
Data-Driven Planning and
Ecosystem Connectivity**

FOUNT'S specialized platform for Charge Point Owners and Fleets



CHARGE POINT MANAGEMENT SYSTEM, designed to optimize utilization of charging infrastructure with EV fleet operations.

Through strategic partnerships we ensure hardware neutrality, efficiency, and reliability across all vendor systems.

FULL CONTROL AND BETTER UTILIZATION FOR CHARGE POINT OWNERS

Our platform offers advanced reporting, planning, *booking*, and energy management tools and empowers charging infrastructure owners with full control over data and payment solutions.

EFFICIENT 360° CHARGING FOR eFLEETS

Efficient, all-around charging at home, depots, or public charging stations.

ALL HARDWARE IN ONE PLACE

Hardware-neutral, ensuring compatibility with a wide range of hardware through standardized communication protocols (OCPP 1.6/2.0.1).

EFFICIENT INTEGRATIONS

Integrates seamlessly (OCPI) with other systems, streamlining operations and improving overall efficiency.


Fleet Service Providers

Depot ChargePoint Operators

Professional ChargePoint Operators

Taxi Fleets


UNDERSTANDING THE CHALLENGES IN THE VALUE CHAIN



POWERGRID


Lack of capacity
Optimize Utilization of the Grid

PROFESSIONAL CPO'S



Optimize Utilization of Charging Infrastructure
Return on Investments

DEPOT CPO'S



Optimize Utilization of Charging Infrastructure and HDV Fleet
Return on Investments

Supply chain
Hardware and software

HDV FLEET OWNERS



Optimize fleet utilization
Increased operational complexity

LARGE HDV FLEET OWNERS



Optimize fleet utilization
Increased operational complexity

Supply chain
HDV and software

A data-driven
Booking,
Planning,
Charging and
Payment
Solutions for HDV
Charging will help
balance the
challenges.



An Intelligent Booking, Planning, Charging and Payment solution for HDV to Optimize Utilization of Charging Infrastructure and HDV fleets.

GREEN HAUL CONNECT

PROJECT PERIOD:
JUNE 2024 – NOVEMBER 2025

FUNDED BY
INNOVASJON NORGE

Planning

Booking

Charging and Payment

Cybersecurity & GDPR

Modelling of energy usage and flexibility

Integrations

FOUNT

PLATFORM FOR SHARING AND
MANAGEMENT OF CHARGING
INFRASTRUCTURE

POSTEN BRING

FLEET OWNER & CPO

OSLOBUSS

FLEET OWNER & CPO

UNO-X

PROFESSIONAL CPO

BKK

OWNER AND OPERATOR
POWER GRID



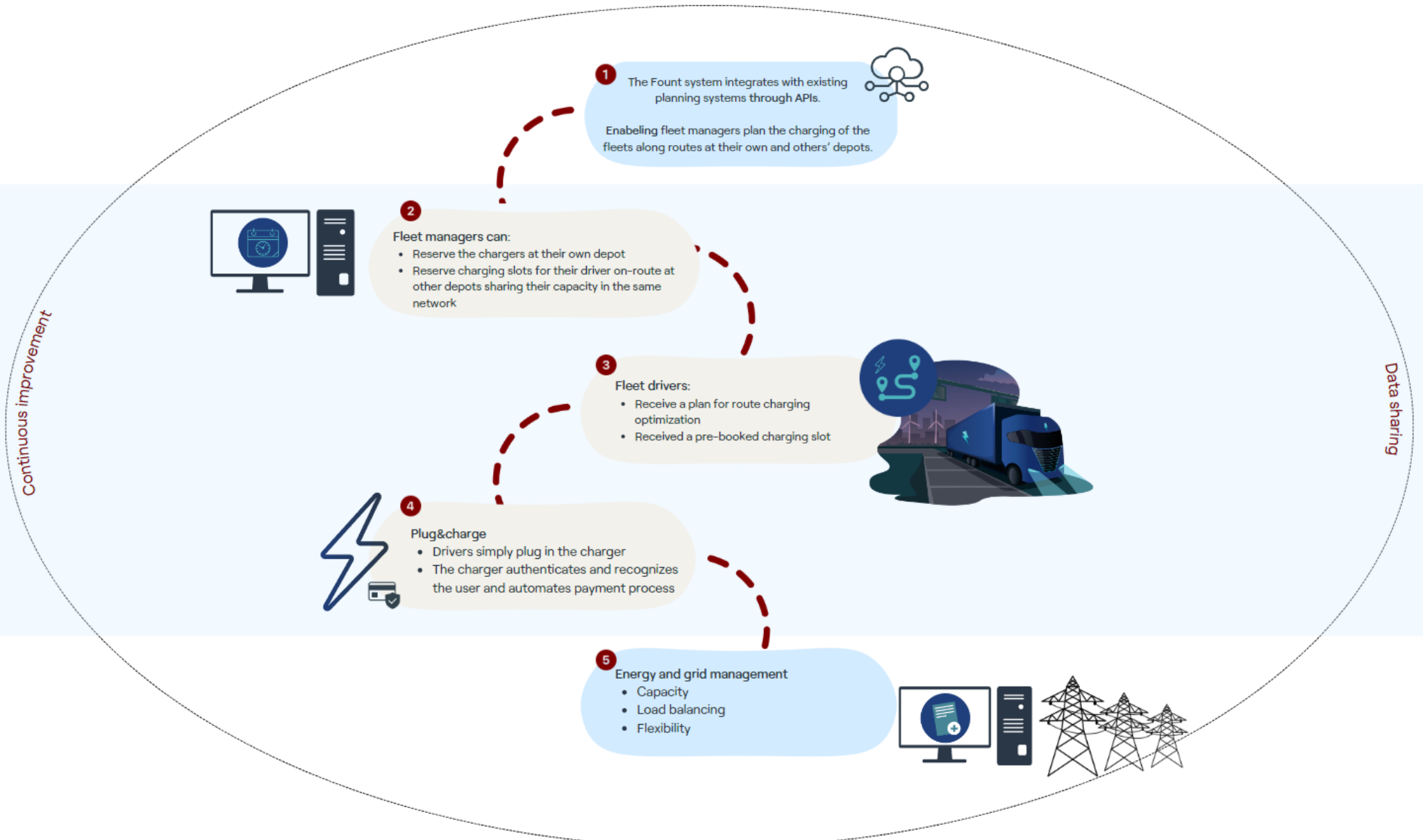
TRACKSYS



FLEX=CHARGE™

FOUNT

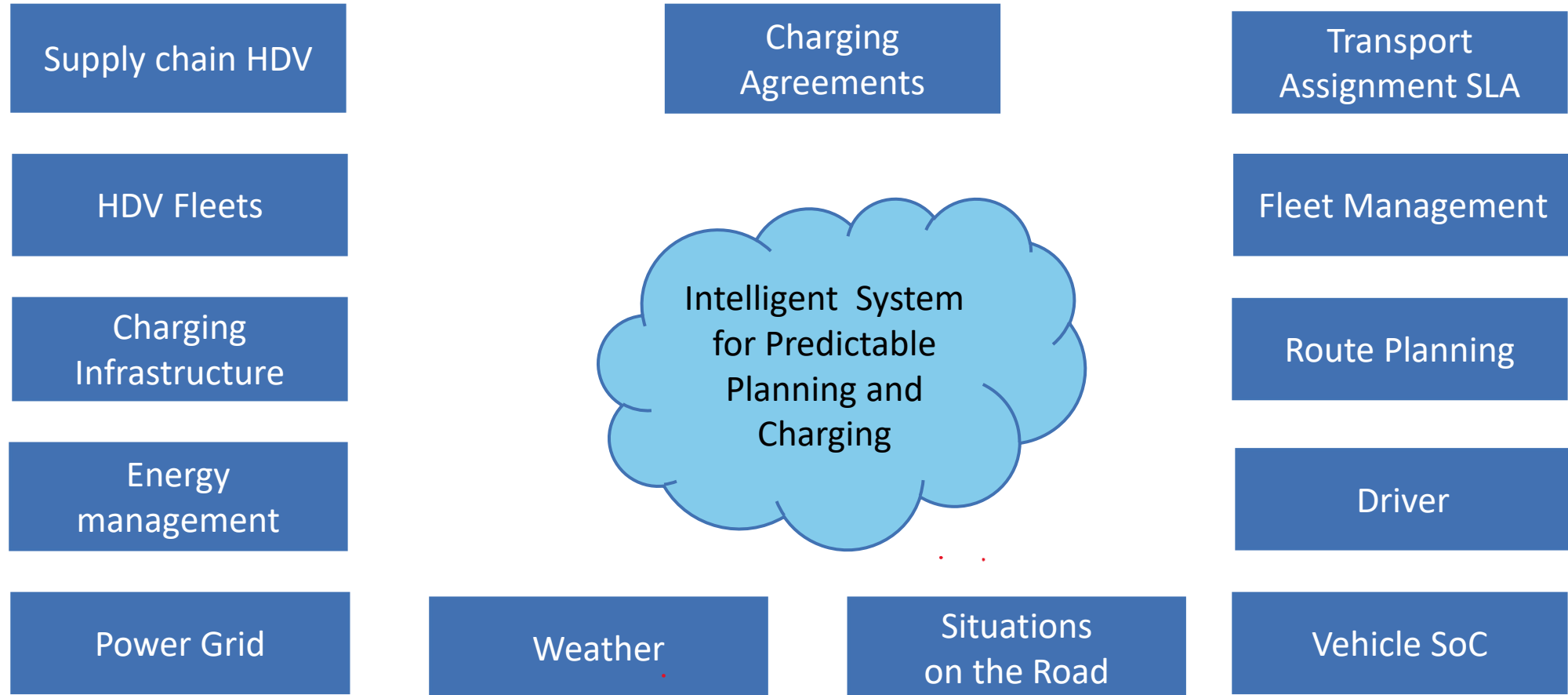
Fount EV Platform - An open & sustainable network



Continuous improvement

Data sharing

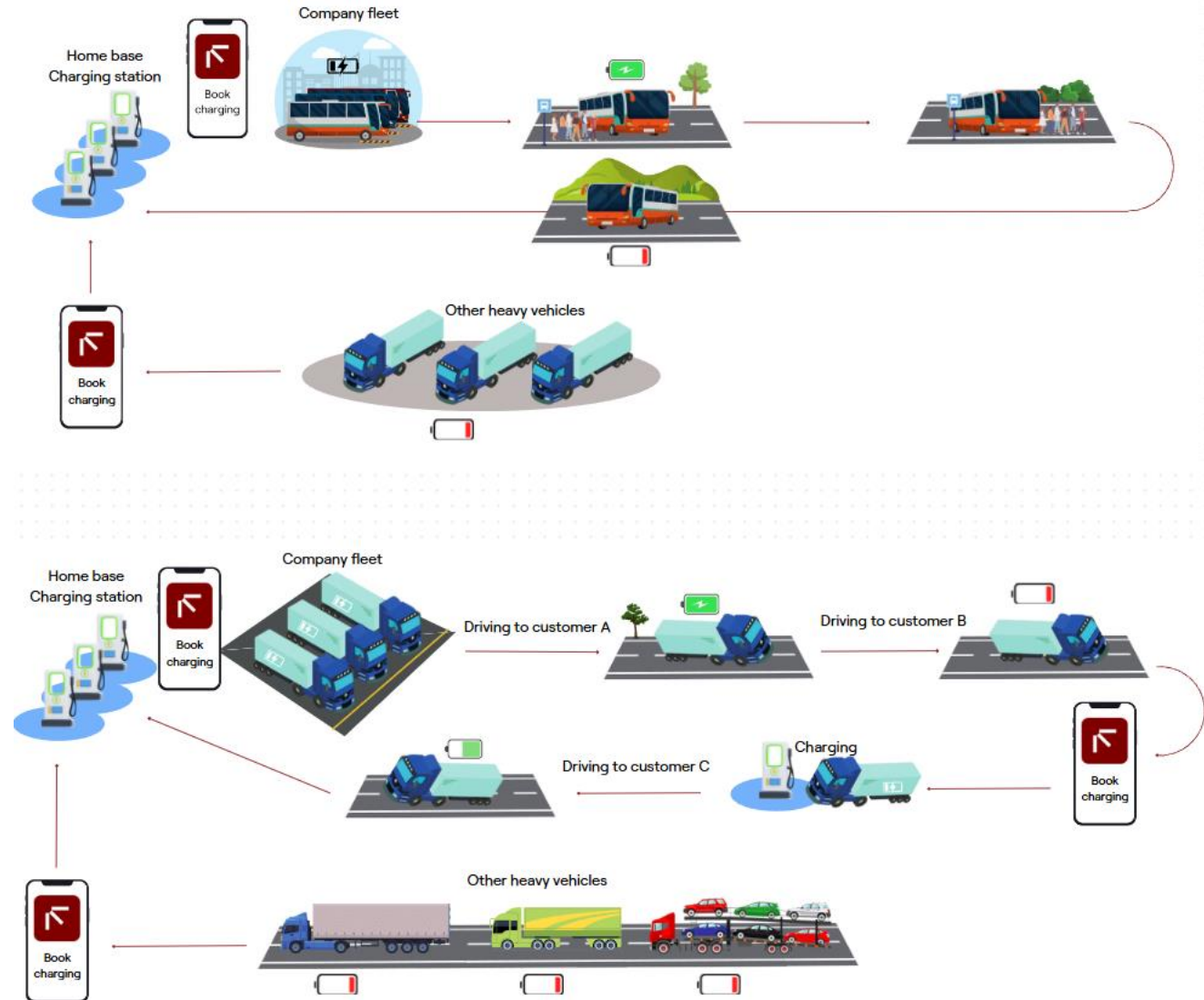
CONNECTING THE DATA IN THE ECOSYSTEM





USE CASES TO BE TESTED IN THE GREENHAULCONNECT PILOTS

- Fleet owner & CPO with available charging capacity for 3rd party booking
- Fleet owner and CPO with available charging capacity for 3rd party booking and need for on the road charging
- Professional CPO offering booking of HDV Charging services



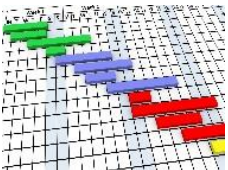
ROAD MAP B2B BOOKING SOLUTIONS FOR HDV CHARGING

USER JOURNEY FOR KEY ROLES

- CPO
- FLEET OWNER / ROUTE PLANNER
- DRIVER

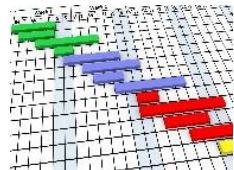
GHC MVP

- Book and manage timeslots for charging
- Rules & Policies V01
- RFDI Authentication



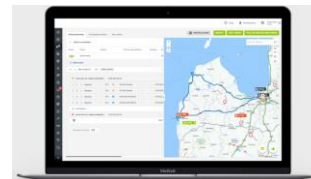
GHC V 1.0

- Book and manage timeslots & capacity for charging
- Algorithm for automated booking V0.1
- Validation of range predication V1.0
- AutoCharge



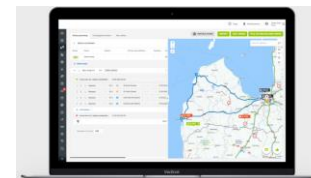
GHC V 2.0

- Book and manage timeslots & capacity for charging
- Algorithm for automated booking V2.0
- Validation of range predication V2.0
- Integration Fleet Management system
- Integration Energy Management system
- Plug&Charge



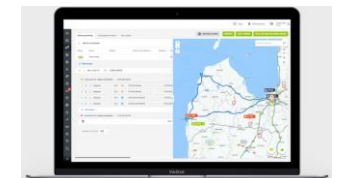
GHC V 2.0

- Book and manage timeslots & capacity for charging
- Algorithm for automated booking V3.0
- Validation of range predication V3.0
- Integration Fleet Management system
- Integration energy Management system
- Optimized user experience and fleet utilization
- Open booking solution with roaming



GHC V 3.0

- Fully integrated fleet management system for vehicles and infrastructure
- GPS tracking, analysis, and reporting
- Automated decision-making processes and replanning
- Increased profitability through optimized utilization of all infrastructure
- Capacity forecasting (booking capacity) for grid providers in the network



Need for Standardization and structured Data



National regulations

Cyber Security

GDPR

Hardware solutions

Connector interfaces

Load balancing

Flexibility

Common

Information model

Communication

Roaming

Pricing models

Booking policies and

Financial terms

Authentication

Payment solutions



FOUNT

Sharing better energy



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