THAIEV

CHANGE TO CHARGE

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JCM-Relevant Project Concepts

The Commercial EV Fleet Ecosystem

A robust ecosystem is essential for the successful adoption and operation of commercial EV fleets, integrating various components for seamless efficiency and sustainability.

Fleet Management

Specialized providers manage vehicle acquisition, operations, and compliance, ensuring efficient electric fleet deployment.

Charging Infrastructure

Access to both private depots and public networks ensures continuous operation and range optimization for all EV types.

Fleet as a Service (FaaS)

Comprehensive packages covering vehicles, maintenance, and software, significantly reducing upfront capital expenditure for operators.

IoT & Telematics

Real-time monitoring of vehicle performance, battery health, and routing for optimal efficiency, predictive maintenance, and enhanced safety.

Aftersales Support

Dedicated service, parts supply, and technical assistance are crucial to maximize vehicle uptime and ensure long-term fleet longevity.

Thai EV, ReevX: About Us

Commercial EV – Truck and Bus market knowhow

- 15 years in truck and bus business, 9 years in EV Truck and Bus
- 1,000+ unit sold, 150+ EV Bus & 300+ EV Truck – Van – Pickup
- 100+ key players in fleets
- Accumulatively, more than 50 million kilometer of EV running

EV Fleet Solutions with Partners:

- Comprehensive EV fleet solutions partnered with leading energy providers for end-to-end clean energy and transport
- Practical solution for asset-light customers with total inclusive services

IOT Platform + EV & Battery Management System through Partner

reevx

- Self developed, gov. certified platform – universal brands support

Carbon Credit Exchange Program with European standard

klik

- >700,000 ton CO_2 quota to export to Switzerland, with a support from Klik Foundation.

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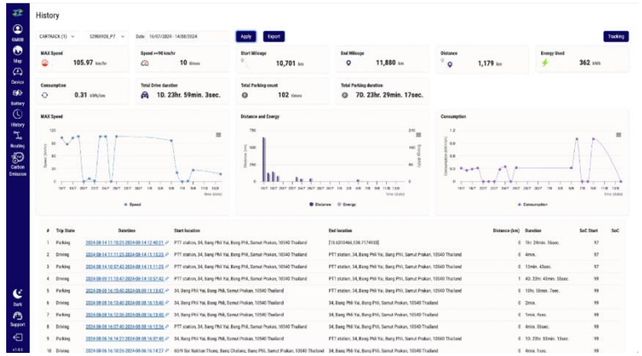
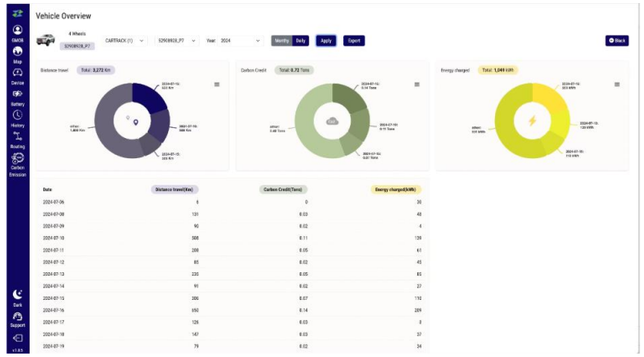
IoT & Telematics Dashboard

Our advanced IoT & Telematics platform provides LCIT with comprehensive insights into their EV fleet operations, enabling efficient management and optimization. This dashboard offers a centralized view of all critical data, ensuring maximum uptime and performance.





Real-time Vehicle Monitoring

Track the precise location and operational status of each fleet, providing immediate visibility across the entire fleet for enhanced dispatch and control.

Battery Status Tracking

Monitor real-time battery levels, health, and degradation trends to proactively manage battery life and ensure vehicles are always ready for service.

Charging Management

Oversee charging sessions, monitor energy consumption, and manage charging schedules to optimize efficiency and minimize downtime, whether with AC/DC chargers or other designated points.

Fleet Analytics & Performance Metrics

Access detailed analytics on vehicle utilization, idle times, energy consumption, and operational efficiency to identify areas for improvement and drive cost savings.

Operational Insights

Leverage data-driven insights to make informed decisions, streamline workflows, and enhance overall operational productivity at the port.

Digital MRV & Emission Tracking

The ReevX Digital MRV (Measurement, Reporting, Verification) Telematics Device is pivotal for accurately calculating carbon emission reductions, collecting essential data from your EV fleet in real-time.

Precise Location

Real-time GPS tracking ensures optimal route planning and enhances operational efficiency across the entire fleet.

Accurate Mileage

Validated odometer data provides precise activity logging, forming the basis for reliable carbon credit calculations.

Energy Flow

Monitors both energy consumption and regeneration, ensuring efficient power usage and optimizing battery lifecycle.

Battery Health

Tracks critical battery performance metrics and degradation trends for proactive maintenance and extended operational lifespan.

Calculating Emission Reductions

Emission Reduction (ER) is determined by comparing the emissions of the EV fleet (Project Emission) against a traditional fossil fuel baseline (Baseline Emission).

- **Baseline Emission (BE)** represents the emissions if the same distance was covered by a fossil fuel vehicle.
- **Project Emission (PE)** accounts for the actual energy consumed by the EV fleet, considering upstream emissions from electricity generation.

Current Carbon Credit Opportunity

Certified Excellence

Certifying with premium T-Ver, our carbon credit program ensures credible emissions reduction via our EV-IoT platform.

Major European Contract

Finalizing a major agreement to supply 700,000 tons of CO2 credits to Switzerland, a landmark Thailand-Switzerland export deal.

Unlock Revenue

Creates a significant secondary revenue stream, enhancing project economics and offering customers additional ESG value.

>700,000 T. CO2 Value

- **For fleet operators, this translates to dual benefits:** significant operational savings from EVs combined with a lucrative revenue stream from carbon credits. This powerfully accelerates ROI and strengthens the business case for electrification.

Carbon Credits in commercial EV trucks

Unlock an additional revenue stream by leveraging carbon credits generated from your electric vehicle operations. This innovative approach not only supports environmental sustainability but also enhances the economic viability of your EV fleet.

Thai Market Price

Carbon credits in Thailand typically trade for **X00 THB** per ton of CO2.

Klik-ThaiEV Program

Through our unique program, the market price for carbon credits is significantly higher, approximately **1,X00 THB** per ton of CO2, offering a substantial premium for your efforts.

Our Proposal to EV Fleets.

Performance-Based Payments

You will be compensated at a fixed rate of ~X00 baht per ton of CO2 reduced, calculated directly from your mileage and electricity consumption. Payment rates and terms are flexible, depending on fleet size, with options for upfront benefits.

Complimentary Monitoring Dashboard

Gain access to a dedicated software dashboard for real-time monitoring of your fleet's CO2 reduction targets, ensuring transparency and efficient tracking of your environmental impact and revenue generation.

Note: This price includes a management fee from Thaiev. The only additional cost will be the platform fee, which is managed by REEVX.

Conceptual Model with JCM

Green Energy Management
Carbon Footprint/Credit Management

EV Telematic & MRV

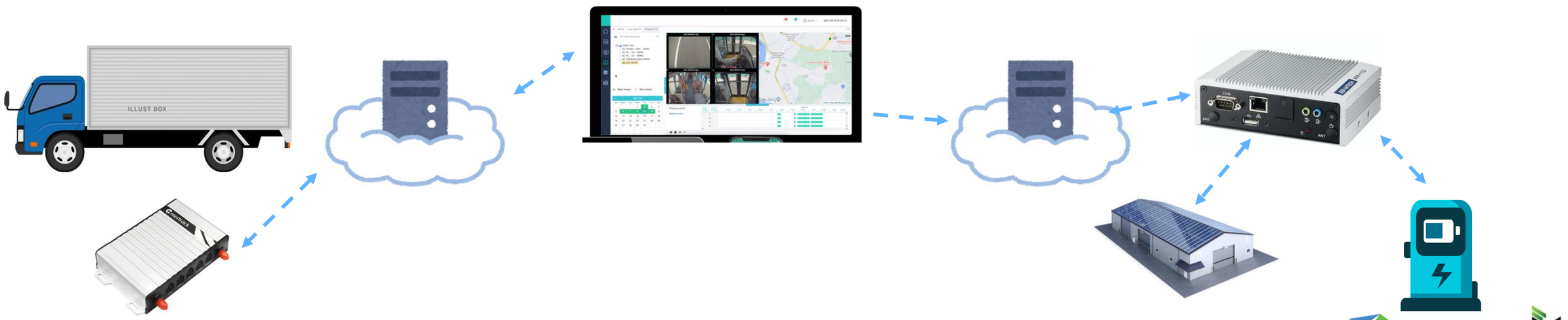
Digital MRV Telematic device

- Odometer
- Energy Charging

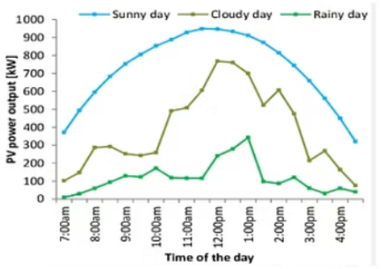
GEMS Gateway

Energy Management System Between PV & Chargers

- PV energy Profile
- Load energy Profile
- Charger energy Profile



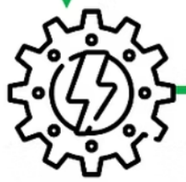
Conceptual Model with JCM



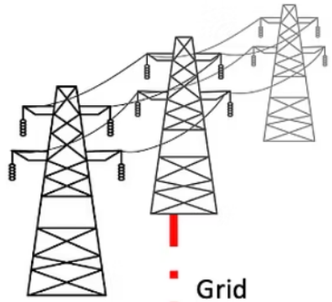
Solar Forecast

- Cold room
- Ambient WH
- EV

Smart Meter
- Building consumption
- PV energy generation
- Max. grid consumption



Energy Management System



Grid Utilization

- EV trucks
- EV cars for employee in industrial estate
  - Truck arrival /departure time
  - SOC (state of charge)
  - Max charge speed
  - Battery capacity

Number of appropriate charger
Demand consumption
VS
PV generation (Solar)
+
Grid Generation
=
Dynamic pricing scheme

- Location selection – center of gravity of EV users
- Sufficient land area
- Energy management platform and solution to maximize energy utilization
- Dynamic pricing for charger to minimize logistics cost

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