



EV TRUCK IN INDONESIA

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FEBRUARY 19TH 2026

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SCAN GLOBAL
LOGISTICS

HIGHLIGHT

Ev Truck in Indonesia

Introduction

Background of global and national electric vehicle trends

Benefits of Electric Truck

Operational cost efficiency, carbon emission reduction, and support for sustainability

Challenges Faced

Limited charging infrastructure, high initial costs, and the need for supportive policies

Case Study

Examples of electric truck implementation in cities like Jakarta or in the mining sector

Steps Forward

Provide recommendations on pilot projects, infrastructure development strategies, and potential government incentives



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INTRODUCTION



Globally, the **trend of electric vehicles** is driven by **efforts to reduce carbon emissions and dependence on fossil fuels**. Many developed countries, such as those in Europe and North America, have implemented **policies supporting the adoption of electric vehicles**, including tax incentives, restrictions on fossil fuel vehicles, and investments in charging infrastructure



In Indonesia, the trend of electric vehicles is starting to grow as the **government supports clean energy initiatives**. The Indonesian government has issued various policies and incentives, such as tax reductions for electric vehicles and encouraging the automotive industry to produce local electric vehicles



However, challenges such as charging infrastructure and costs remain barriers that need to be addressed. With this, the trend is expected to continue growing and have a positive impact on the environment and national economy.

BENEFITS OF ELECTRIC TRUCKS

The benefits of electric trucks can be seen from several aspects:



EFFICIENCY

Electric trucks are generally more efficient in converting energy into power, resulting in lower energy consumption per kilometer compared to fossil fuel trucks



OPERATIONAL COSTS

Although the initial cost of electric trucks is higher, long-term operational costs tend to be lower due to cheaper electricity costs compared to fuel, and electric trucks have lower maintenance costs because they have fewer moving parts



CARBON EMISSION REDUCTION

Electric trucks produce no tailpipe emissions, helping to reduce air pollution and carbon footprint, supporting climate change mitigation efforts



SUPPORT FOR SUSTAINABILITY

BY ADOPTING Electric trucks, companies contribute to sustainable development, enhance their corporate image, and comply with increasingly stringent environmental regulations



Electric trucks provide long-term benefits that are positive both **economically** and **environmentally**.



CHALLENGES FACED



Limited Charging Infrastructure

In many regions, particularly in Indonesia, the number of **charging stations for electric vehicles is still limited**. This makes charging less practical, especially for trucks that require large amounts of power. Adequate infrastructure needs to be built, both in major cities and along main logistics routes



High Initial Costs

Electric trucks generally have a higher purchase price compared to conventional fossil fuel trucks. These costs include battery technology, electric drive systems, and supporting infrastructure. Although operational costs are lower in the long run, the initial cost remains a barrier for many companies



Need for Supportive Policies

The adoption of electric trucks requires **supportive government policies**, such as **tax incentives, subsidies, and regulations that facilitate investment**. This support is crucial to reduce the initial cost burden and accelerate the transition to electric vehicles



CASE STUDY

EXAMPLES OF ELECTRIC TRUCK IMPLEMENTATION

ジャバババババババ

Several logistics and delivery companies have **started adopting electric trucks for intra-city routes**, such as delivering goods to shopping centers and food distribution. One example is the use of electric trucks for delivery services by a major e-commerce company, which **helps reduce emissions in the congested city center**

カバババババババ

In Kalimantan or Papua, several companies have **started testing electric trucks to transport materials within mining areas**. These electric trucks help reduce carbon emissions in remote locations and reduce long-term operational costs, while **improving the sustainability of mining operations**



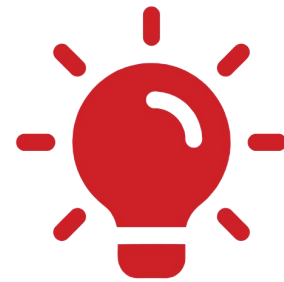
These examples show that electric trucks are **being implemented in various sectors and regions**, helping to reduce environmental impact while increasing operational efficiency

STEP FORWARDS



With these steps, it is hoped that the transition to electric trucks can be smoother and have a positive long-term impact

EV TRUCK ADOPTION



OUR APPROACH TO EV TRUCK IMPLEMENTATION

HIGHLIGHT

Our Approach to EV Truck Implementation



Road Freight Product Solution

Overview of Scan Global Logistics' Asia road freight product and verticals

Integrated Solution for Greener Supply Chains

End-to-end road freight solutions designed to optimize operations, increase visibility, and reduce carbon emissions across regional supply chains

SCAN 15t EV CROSSBORDER

Service linking EV road freight linking Malaysia-Singapore with proven electric performance



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ROAD FREIGHT PRODUCT SOLUTIONS

ASIAEURO CONX

A versatile road freight solution connecting Asia and Europe.

Coverage: Cross-border trucking across Asia and EU corridors.

Service Options: FTL (Full Truck Load) and LTL (Less than Truck Load).

Specialized Handling: DG, Temp-Controlled, Out-of-Gauge (OOG) cargo.

NATIONAL CONX

Reliable last-mile and intra-country solutions designed for modern supply chains.

Nationwide Delivery: B2B and B2C distribution.

Service Options: Milk-run, FTL, LTL, PUD, Pre/post carriage.

Specialized Handling: DG, Temp-Controlled, Out-of-Gauge (OOG) cargo.

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FEXI CONX

Integrated multimodal solutions to provide global connectivity.

Air + Road

Fast and reliable multimodal air-road express solutions

Sea + Road

Multimodal ocean-road integration for regional and international trade

Rail + Road

Optimized rail-road connectivity for long-distance efficiency

AID & RELIEF

AUTOMATIVE

AVIATION & AEROSPACE

ENERGY

FAIR & EVENTS

INDUSTRIAL PROJECTS

MARINE & CRUISE LOGISTICS

PHARMA & HEALTHCARE

TECHNOLOGY

PRINT LOGISTICS

CUSTOMER PORTAL (TRACK & TRACE)

Real-time visibility of shipments across modes, with milestone tracking from pickup to delivery

CUSTOMISED PROCESSES

Workflows tailored to customer requirements, ensuring alignment with internal supply chain needs (SOPs, escalation matrix, special handling)

COMMAND CENTERS

Regional control towers staffed by professionals to monitor operations, manage exceptions, drive optimization and ensure compliance.

REPORTING & ANALYTICS

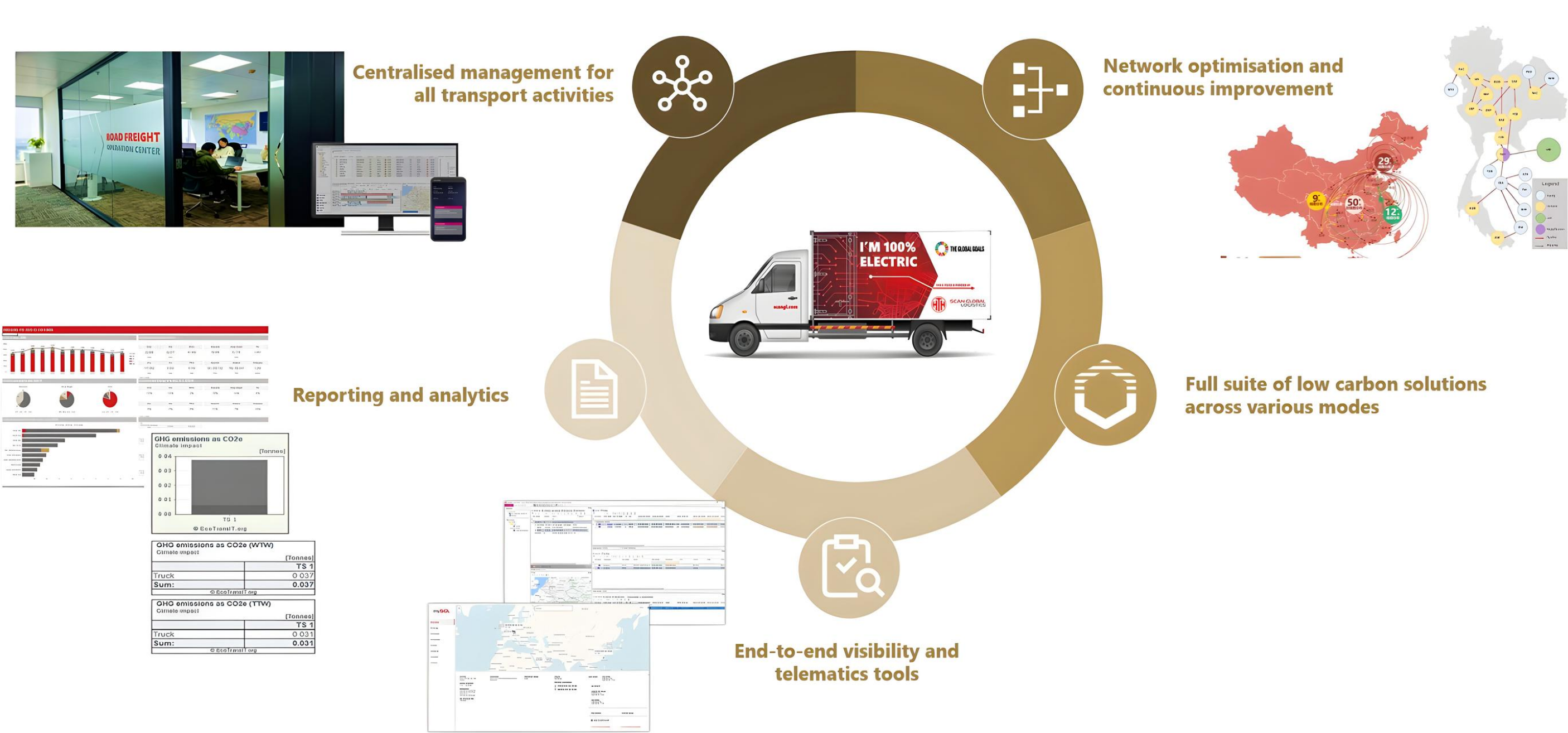
- Milestone performance dashboards
- KPI monitoring (on-time delivery, utilization, turnaround times)
- ESG/CO₂ emissions reporting to support sustainability goals

"SGL Road Freight operates under a structured Business Continuity Plan (BCP) designed to ensure service resilience. Our BCP includes pre-defined contingency routing, backup fleet allocation, and 24/7 control-tower monitoring to proactively identify disruptions and activate recovery actions. Alternative transport modes, secondary gateways, and priority escalation protocols allow us to maintain service continuity and safeguard customer commitments across all lanes."

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INTEGRATED ROAD FREIGHT SOLUTION FOR GREENER SUPPLY CHAINS



SGL AWARD WINNING SOLUTION

ASIA 1ST EV CROSSBORDER SERVICE



Innovator of the Year (ESG) Awards
at Supply Chain Asia Awards 2024



Official Launch in presence of
Penang Chief Minister



Model	BYD T5 Electric
Payload (Kg)	1,500
Box Dimension (M)	4.2 X 2.16 X 2.12
Range	200km (full-load)
Battery Capacity	132 kwh



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