# **Carbon Neutrality Solutions for Commercial Logistics**

~ Promoting Regional CN in Japan & Thailand as starting points ~

Improving Logistics **Efficiency** 

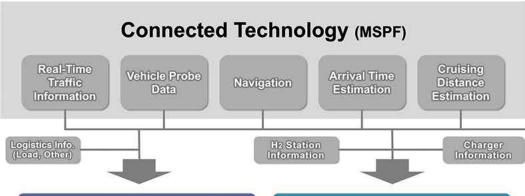
**Promoting Commercial Electrified Vehicles** 

Integrating with **Regional Communities** 









# Other Company/ **Region Data** Infrastructure Vehicle Big Data Data

#### **Highly Efficient Logistics Solutions**

Reduce CO<sub>2</sub> emissions by shortening lead-time and improving loading percentages.

## **Energy Management**

Provide systems that minimize the down time of commercial electrified vehicles.

## Stronger Data Platform

Create new values by increasing big data volume and integrating with connected technology.

- Plan efficient delivery routes.
- Support logistics operations at every step.



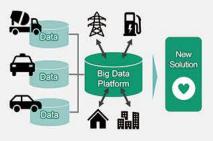
- ivery Planning System
- Started projects & services targeting the logistics industry.
- Plan to study required functions based on true customer needs.

- Optimize charging/refueling routes for FCEV/BEV transit operations.
- Factor in remaining energy when managing vehicle operations.



- Launched validation projects in Japan market.
- Plan to further refine solutions based on validation results.

- Build data platform that spans multiple business/industries.
- Enhance existing solutions and create new values & services.



- Started projects in collaboration with partners in Thailand.
- Plan to refine model business case and deploy to other regions.

Key Technology