



Challenges for the new era

~ the creation of values and services
focused more on people~

East Japan Railway Company

West Japan Railway Company

Agenda

1. Overview of JR East and JR West
2. JR EAST Group Management Vision
Move Up “2027”
3. Introducing Two Case Studies

What's JR(Japan Railways) Group

- Railroad is the most popular public transportation in Japan
- By region, there are six JR companies.

- **24.5M** passengers / day (Total)

- We operate Conventional Trains and Shinkansen (Bullet Trains)

JR WEST

Osaka

Tokyo

JR CENTRAL

JR SHIKOKU

JR KYUSYU

JR HOKKAIDO

JR EAST

Improving service in all sectors



Railway



Hotels



Stations



Real Estate



Shopping

How can we improve our service ?

Provide tickets and sightseeing information on Web site

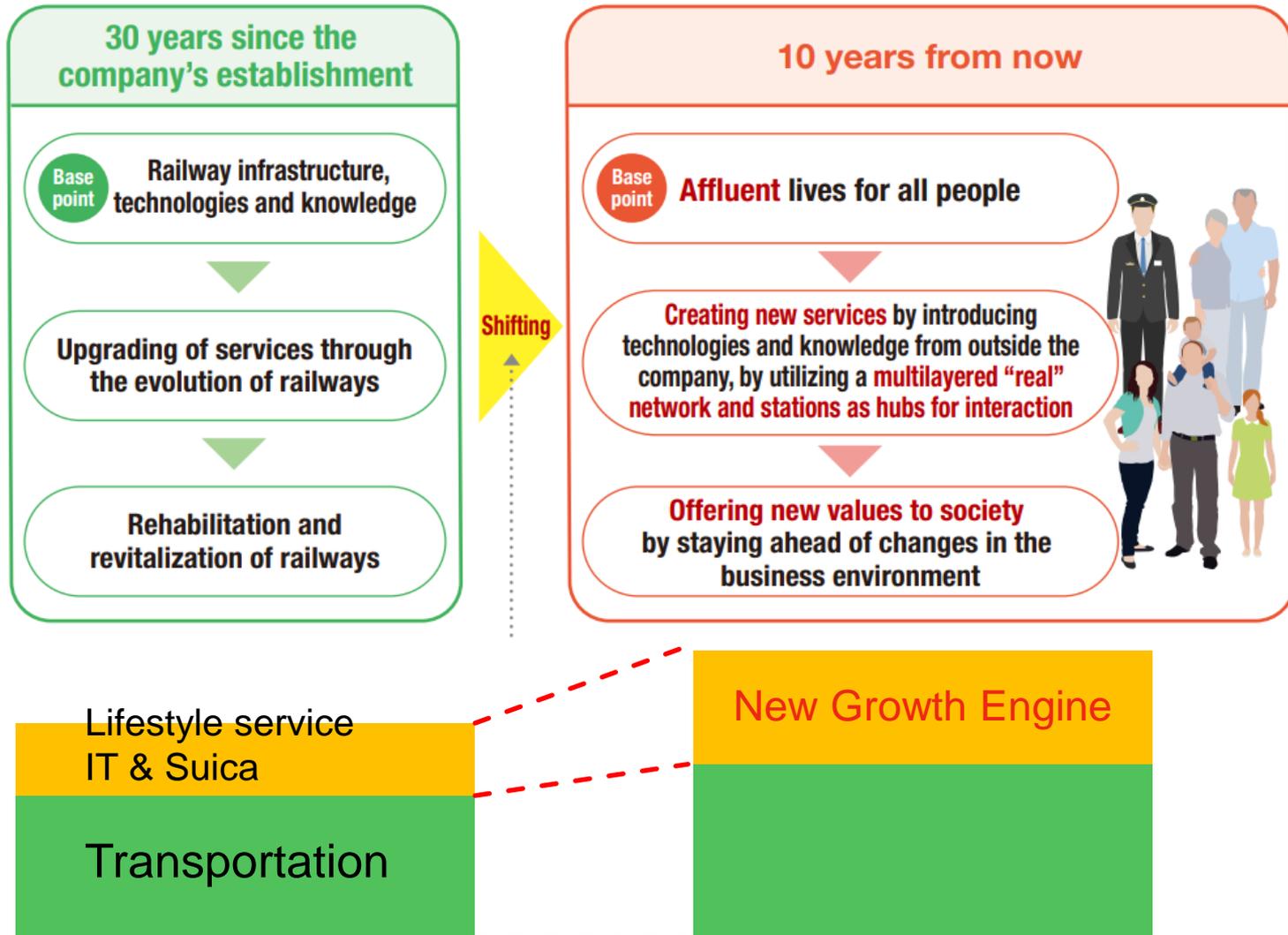
Train operators efficiently



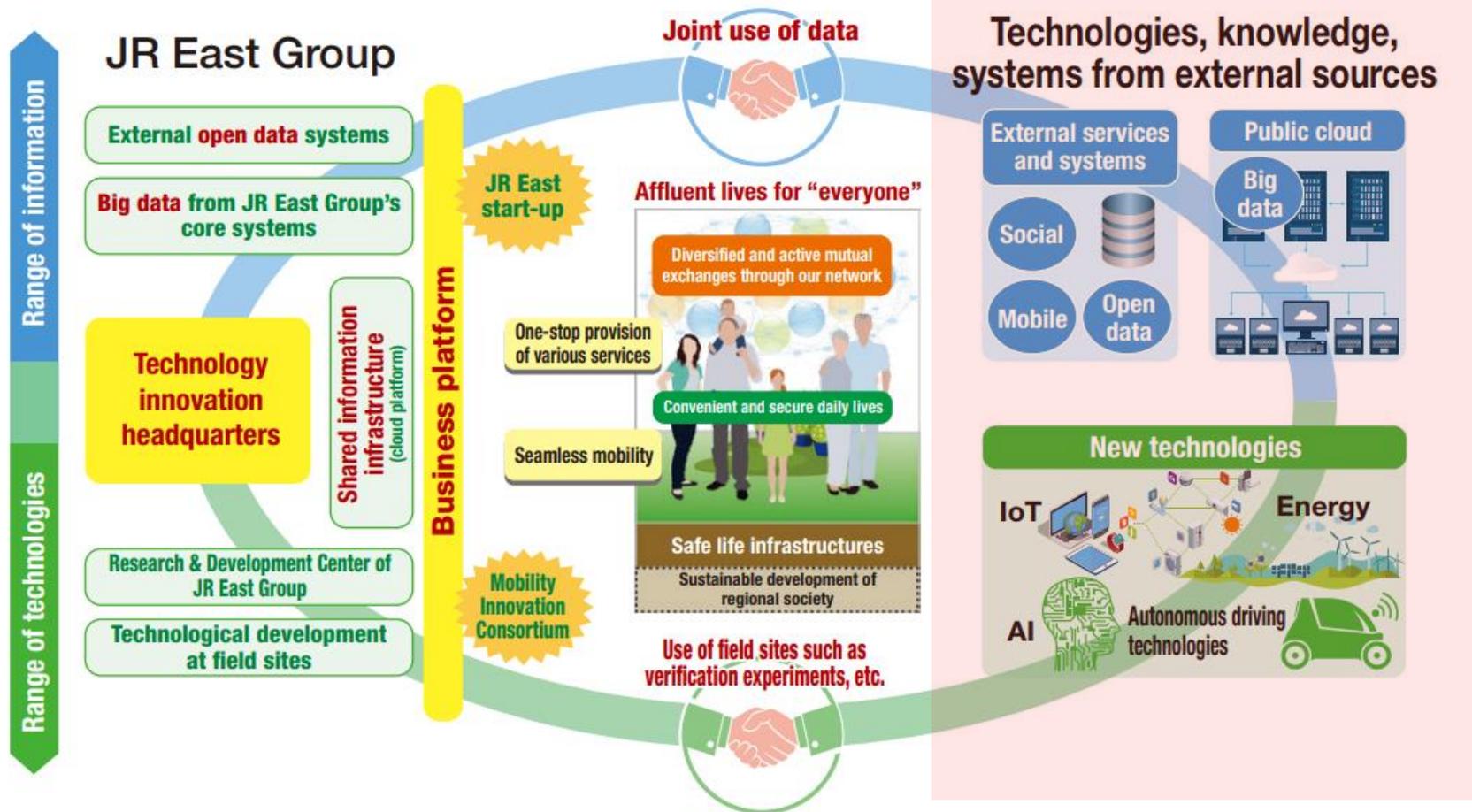
Visualize real time train location



JR East Group Management Vision "Move UP" 2027

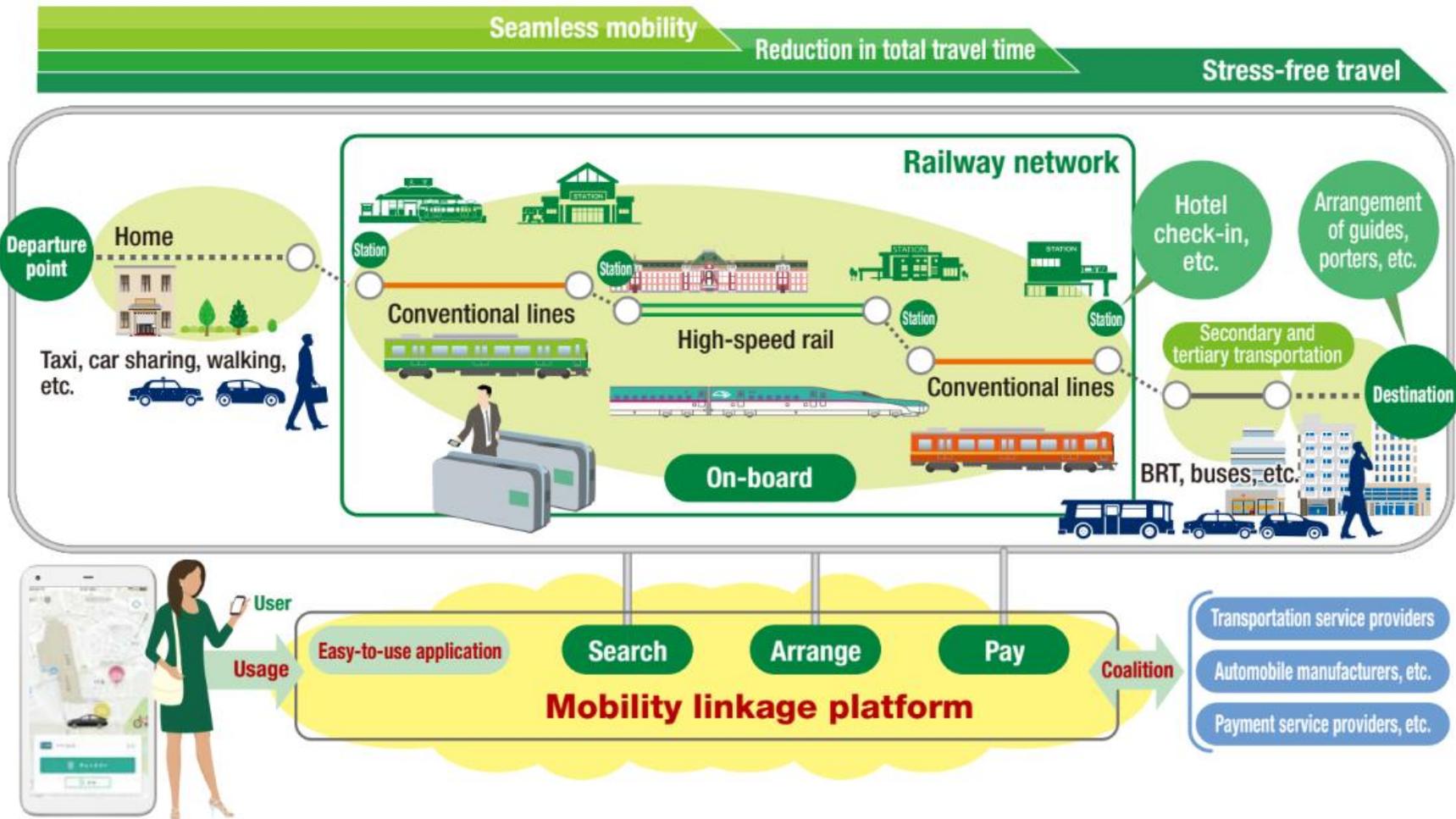


Open Innovation



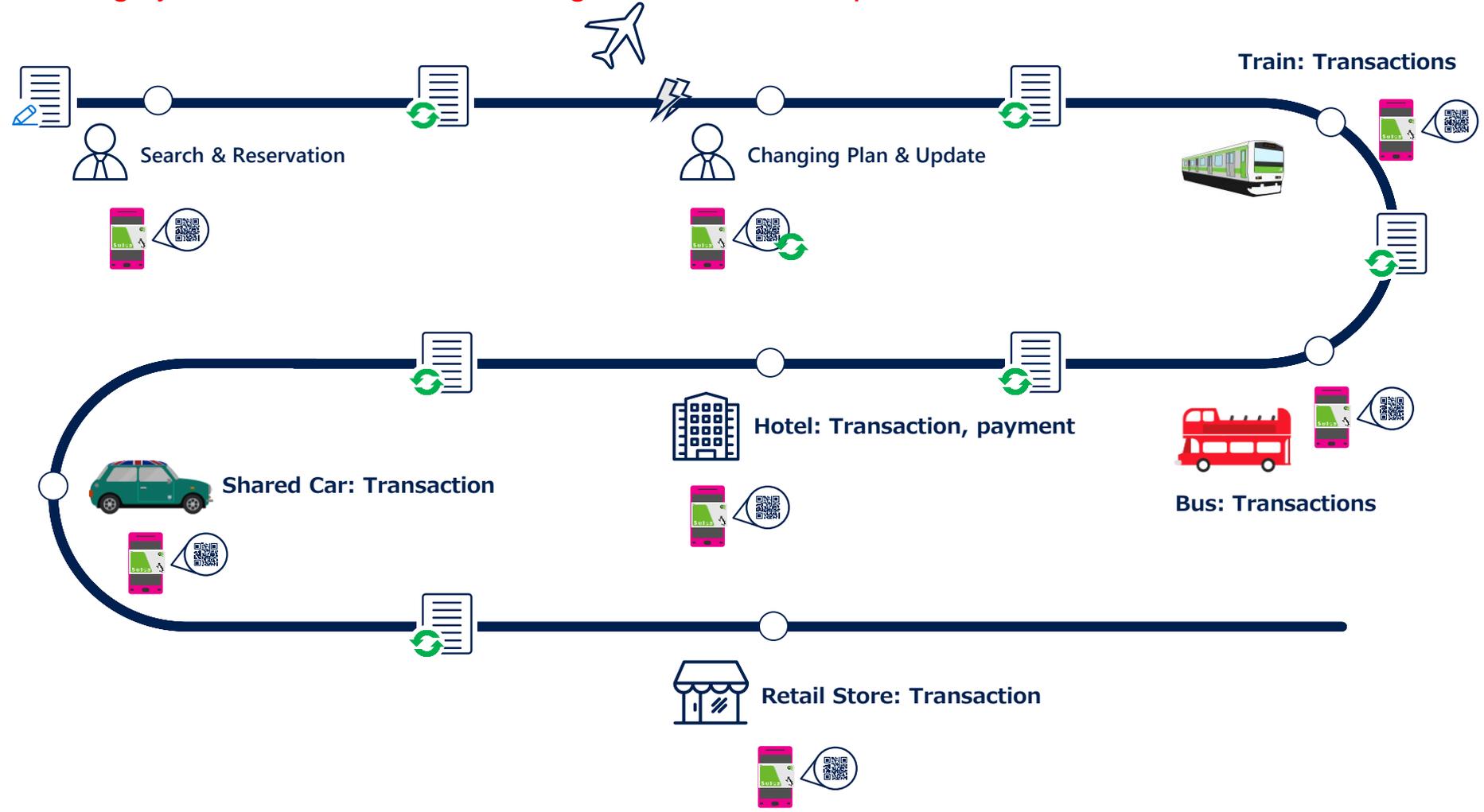
We Need!!

CASE1: MOBILITY AS A SERVICE(MAAS)



PROBLEM : HOW TO SHARE DATA BETWEEN COMPANIES

Sharing data containing our customers trip plans and any changes that they would make.
Building systems to share data among several service operators.



WHY BLOCKCHAIN

Blockchain is a secure, shared, distributed ledger that can be public, private, or work within a consortium.

Overview: Blockchain is a secure, shared, distributed ledger

Secure

Uses cryptography to create transactions that are impervious to fraud and establishes a shared truth.



Shared

Blockchain value is directly linked to the number of organizations or companies that participate in them. There is huge value for even the fiercest of competitors to participate with each other in these shared database implementations.



Distributed

There are many replicas of the blockchain database. In fact, the more replicas there are the more authentic it becomes.



Ledger

The database is append only so it is an immutable record of every transaction that occurs.



CASE2: CHANGE DETECTION OF FACILITIES AROUND THE PENTAGRAPH

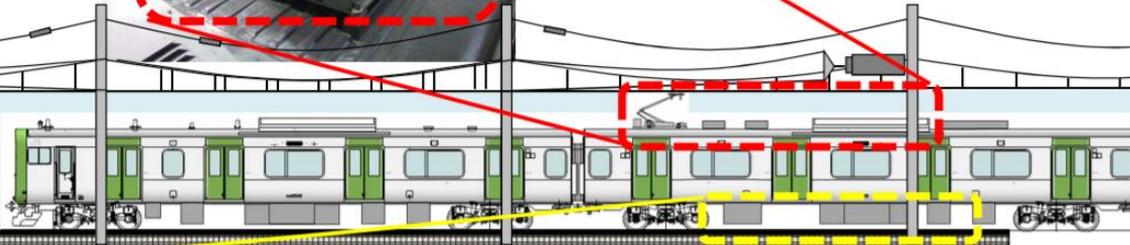
- Research on real-time change detection of train equipment from videos.
- To establish a development flow with foreign companies.

■ Monitoring Maintenance

Series E235



Overhead wire monitoring equipment



19



Track facility monitoring equipment



Let's make a future of
public transportation with us!!



Thank You