



# **2024 HACKATHON BY 42 IN ASIA**

by 42Bangkok





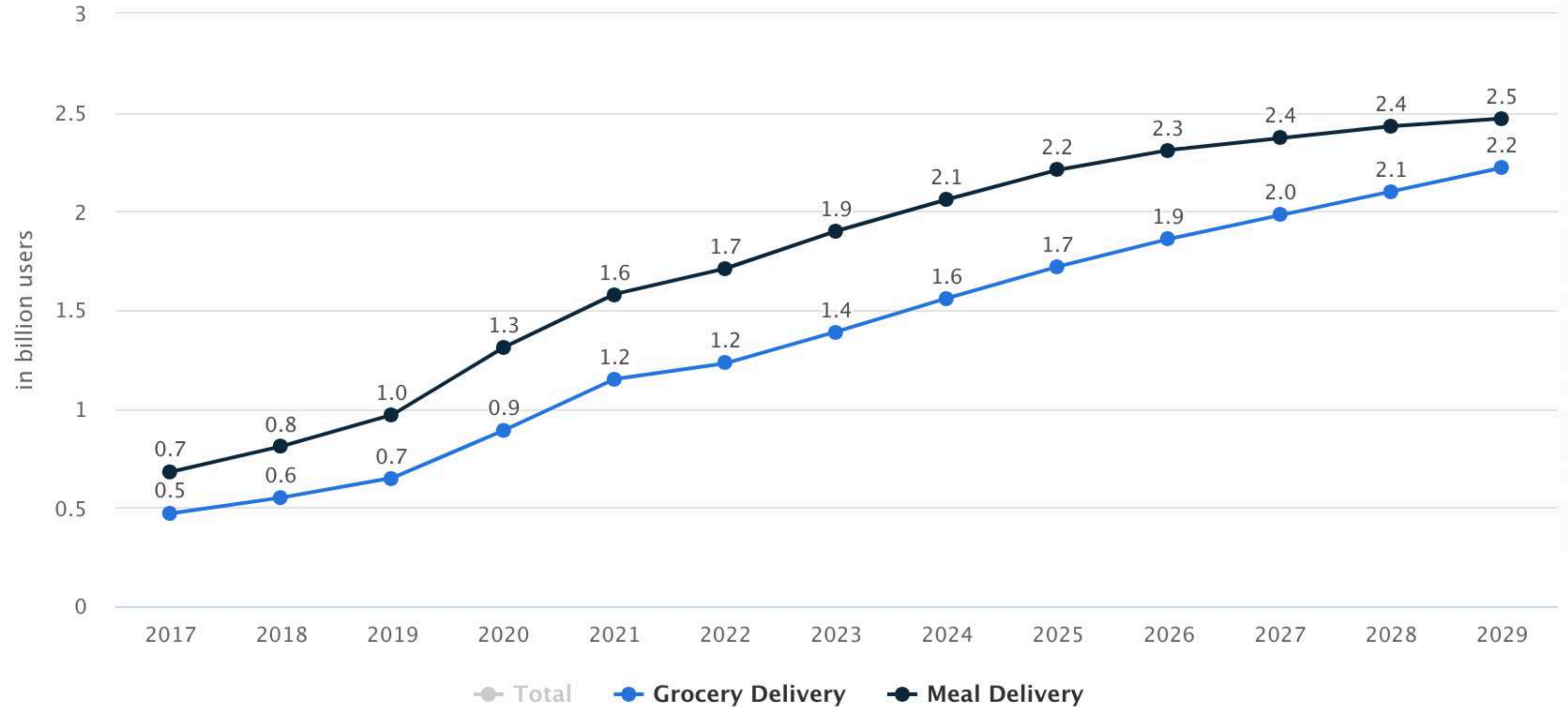




# **PROBLEM STATEMENTS**

## **Sustainability in Food Deliveries**

- Emissions produced by food delivery



FOOD DELIVERY USERS WORLDWIDE



# ISSUES

- **Inefficient Delivery Method** due to the need for personalized orders

**MRT**



# PANDA POST

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42 BANGKOK



# PANDA POST

## Sustainable Growth

### PUBLIC TRANSIT



### SUSTAINABILITY



### BAMBOO BOX





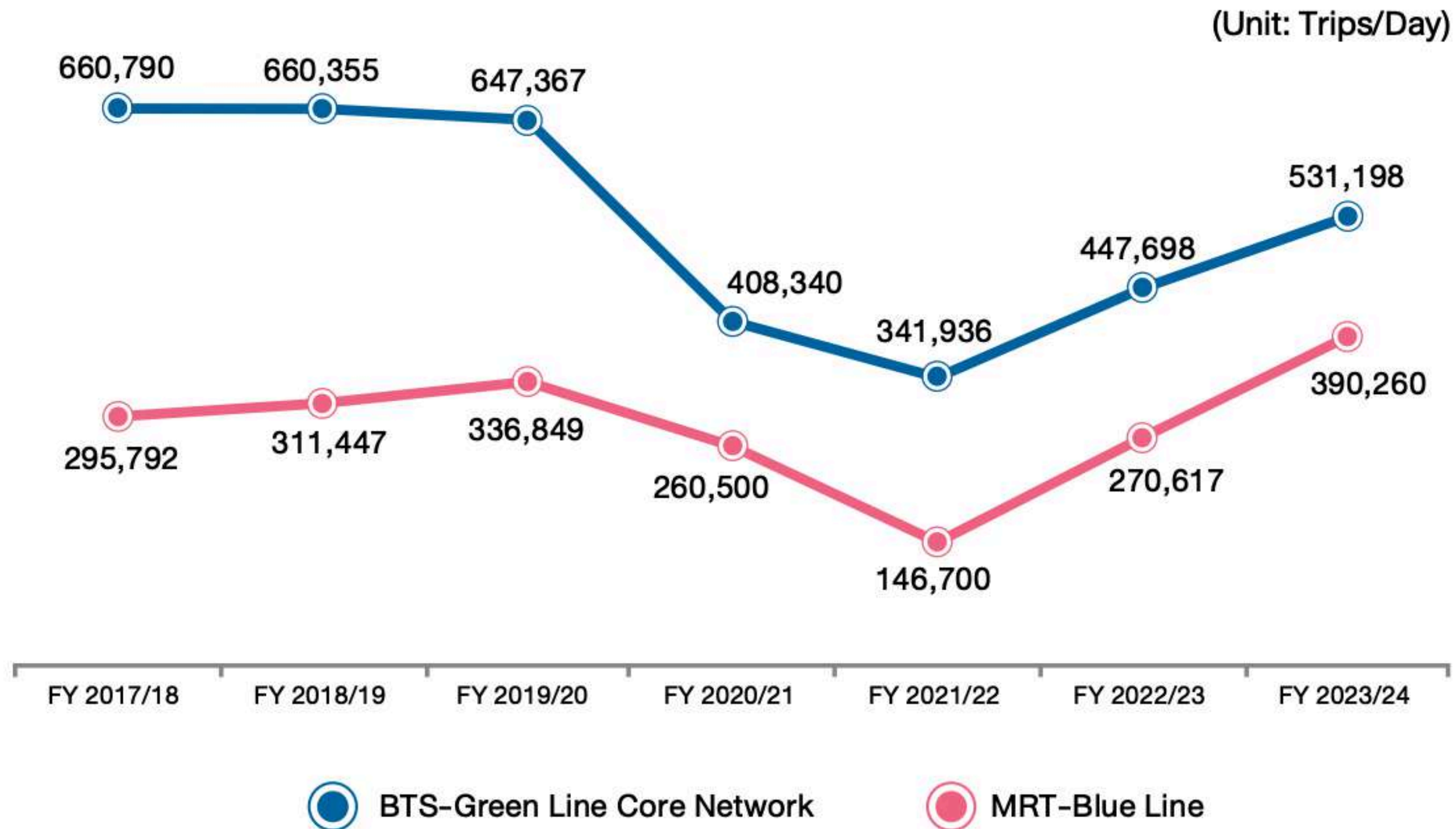


# **PANDA POST**

## **Key Concepts**

- **Pre-order and Pickup**
- **Centralized Delivery**
- **Delivery Optimization**
- **Cost Efficiency**

# BANGKOK BTS AND MRT TRIPS PER DAY







# **TARGET AUDIENCE**

- **Public transit commuters**



## **BENEFITS**

- Be a part of the journey



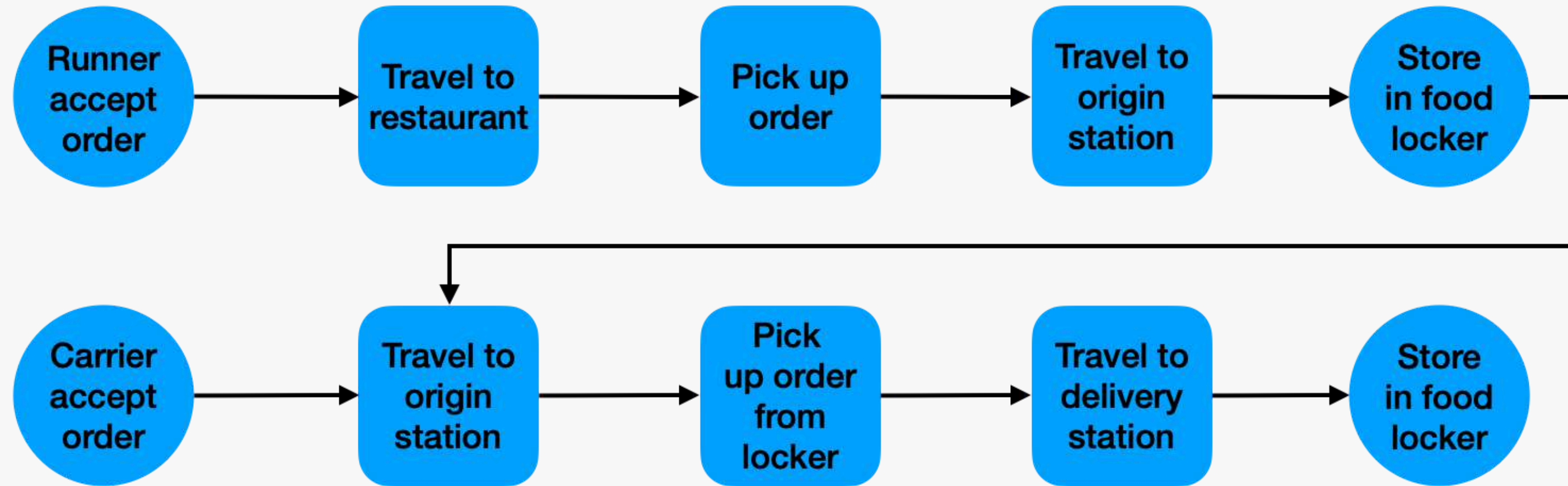


## RIDERS

- Higher compensations
- Safer and less stress



# PROPOSED DELIVERY WORKFLOW







## STRONGER FOUNDATIONS

- Incentivize planned/bulk orders
- Expand restaurant market potential via exclusive meals suited for Panda Post





## GROWTH

- Together with the ever expanding transit network
- Exploring new sustainable delivery opportunities



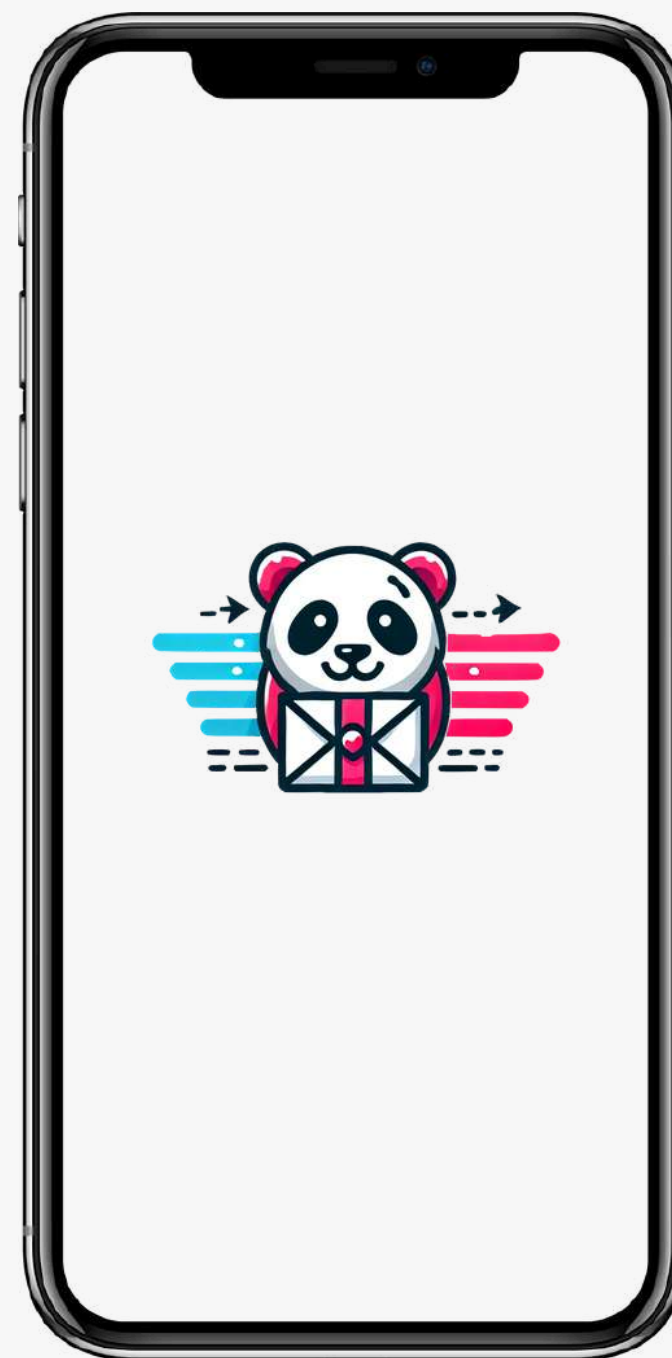
# PROMOTION STRATEGIES

## Partnership with Train Operators

- **FoodPanda X BTS** co-branding so commuters feel they are part of an exclusive club
- **FoodPanda kiosks** at stations promoting the service and show what is available



**DEMO**







# PLAY OUR PROTOTYPE

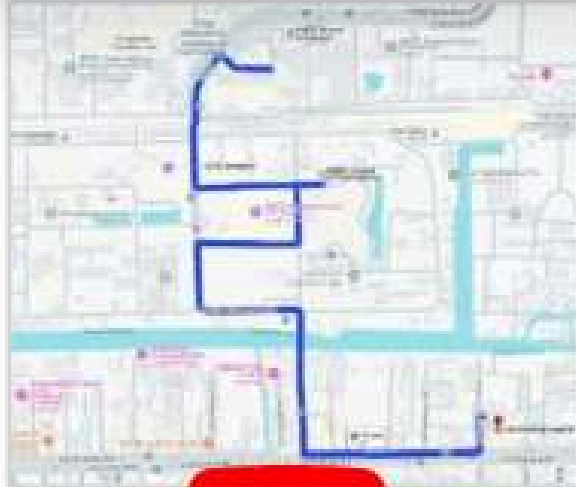


<https://panda-post.up.railway.app/>

# DEMOSTRATION

42hackathon-presentation


  
Copy link



**Order 01**  
Location: Location A  
Items: 1

**Order 02**  
Location: Location B  
Items: 2

Dropoff

Watch on  YouTube



# PROJECT OVERVIEW ARCHITECTURE

PandaPals



## NEXT.JS

**Full Stack Frontend Web**  
technology is build by  
typescript with react  
concept

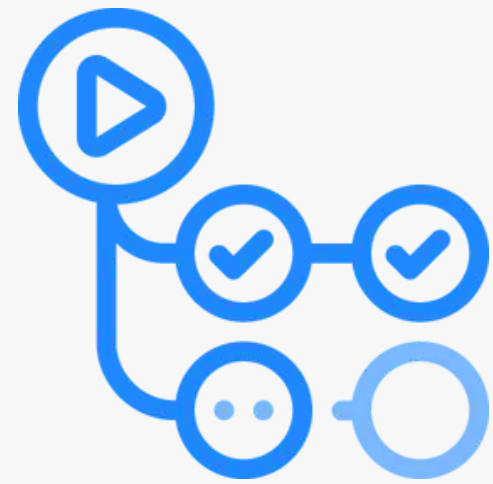


## Firebase Realtime Database

**Database**  
is a cloud-hosted. Data is stored as  
JSON and synchronized in realtime to  
every connected client.

# FROM DEV TO OPS

## DevOps Tools



### Github Actions

#### CI/CD

(continuous integration and continuous delivery) platform that allows you to automate your build, test, and deployment pipeline



### Firebase Realtime Database

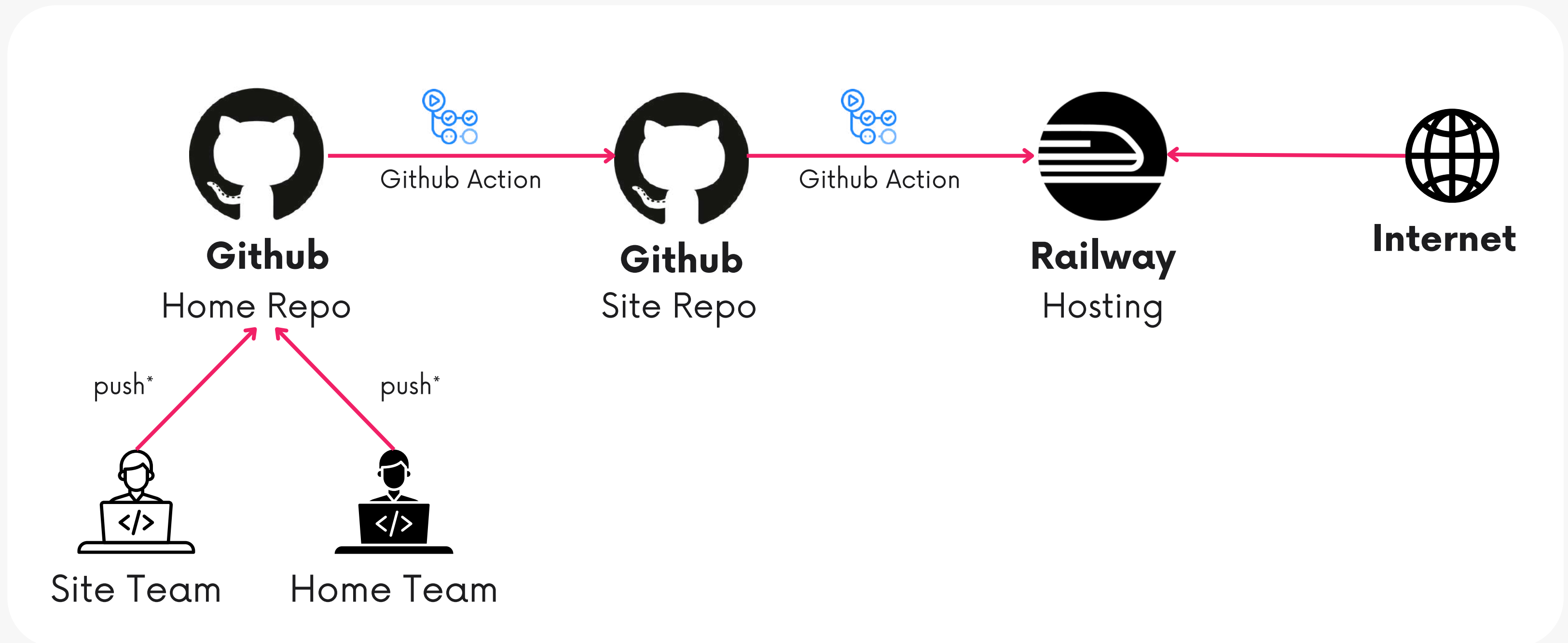
#### Hosting

infrastructure platform where you can provision infrastructure, develop with that infrastructure locally, and then deploy to the cloud.



# INTEGRATION

How we integrate dev code and tools to the operation



\*follow git concept, branching, pull request and merge



**THANK YOU**

