

# ITU – AI for Good



# Arrival's new method

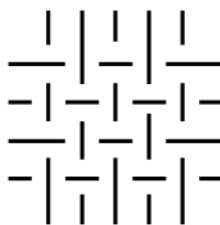
## Arrival is a technology company

NEW METHOD



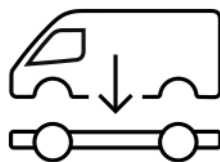
### In-house Plug & Play components

- Substantial cost reduction
- Upgradeable
- Designed for Microfactories



### Proprietary composite materials

- Low tooling and overall cost
- Lightweight and highly durable
- Designed for Microfactories



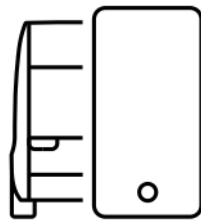
### Modular skateboard platform

- Modular
- Efficient package
- Highly flexible
- Designed for Microfactories



### Microfactories

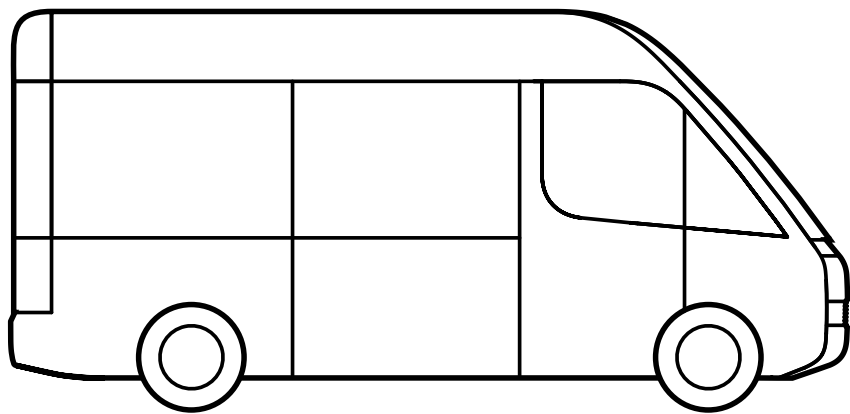
- Low footprint
- Low capex
- Deployed rapidly in response to local demand



### In-house vehicle software

- Plug & Play
- Complete control of user experience
- Access to all vehicle data to optimize total cost of ownership

LEADS TO



Arrival's new method of design and assembly provides greater profitability at lower capex compared to existing OEMs, and the ability to scale rapidly.

# AI for good

## Being prepared

**Design and Manufacture**

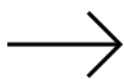
- Design space exploration
- Design tailored to the application
- Energy monitoring & management
- Global logistics

**Vehicle Use**

- Energy and performance data
- Charging in depots
- Routes and scheduling
- Topography and environment

**Maintenance, upgrade, dismantling**

- Frequency of repairs/servicing
- Wear rate of components
- Condition of systems at end of life



- Extend vehicle life and maximise useful life of resources
- Reduce vehicle miles travelled while delivering functionality
- Understand performance to inform tailored design
- Sequencing of charging and logistics to reduce bottlenecks
- Energy management for renewable transition