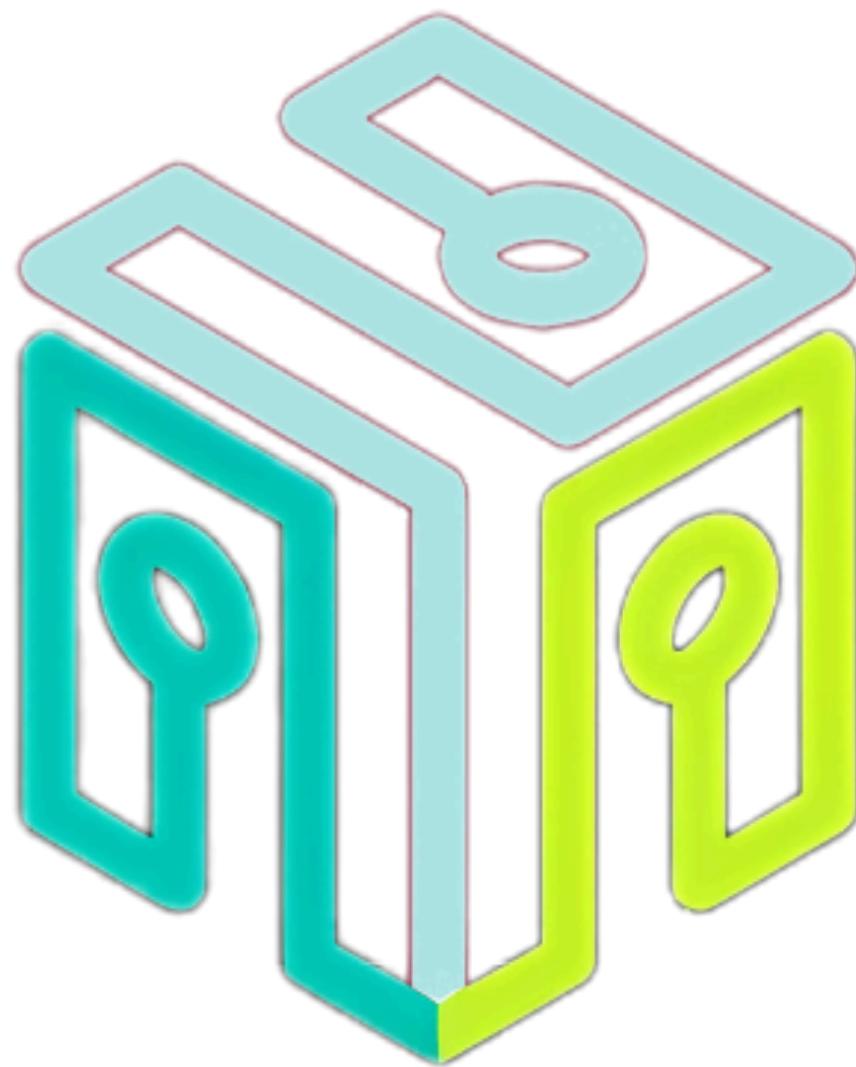




DARB SOULTIONS





DARB

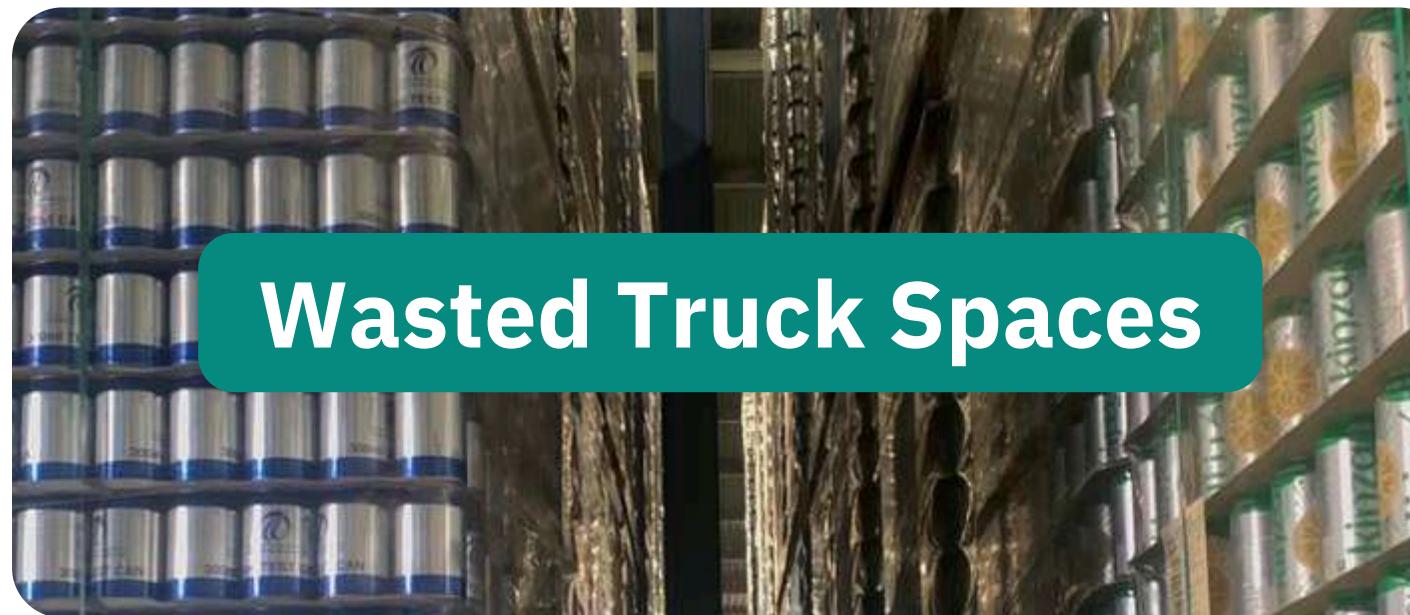


INTRODUCTION

Darb' Team visited Kinza's Factory to investigate more about the problem we received, but we discovered more issues regarding the supply chain sector that **reduces efficiency and increases operational costs.**



During our visit to Kinza, we uncovered several key challenges they are currently grappling with.



Wasted Truck Spaces



Time Inefficiency

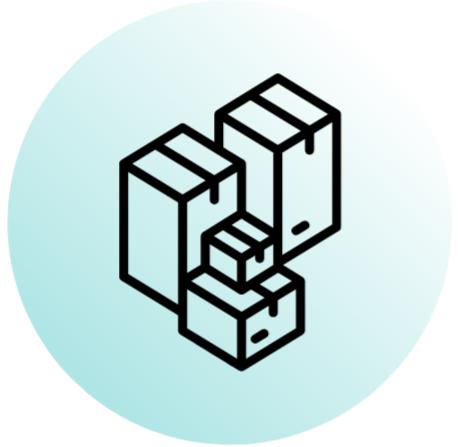


Security Risks



Limited Supervision

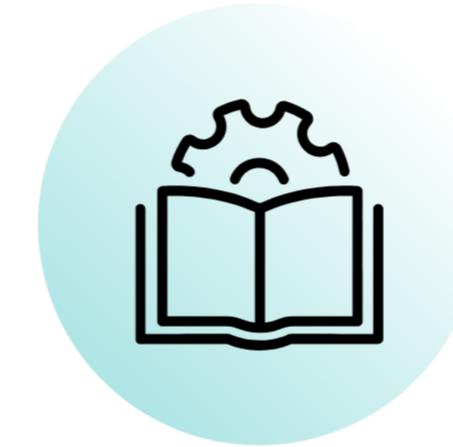
The following problem roots from:



**Unorganized
Loading
Practices**



**Inefficient
Transport
Strategy**



**Manual
Process
Management**



**Cargo
Theft**

Cargo theft losses

\$41,000,000,000

In the world

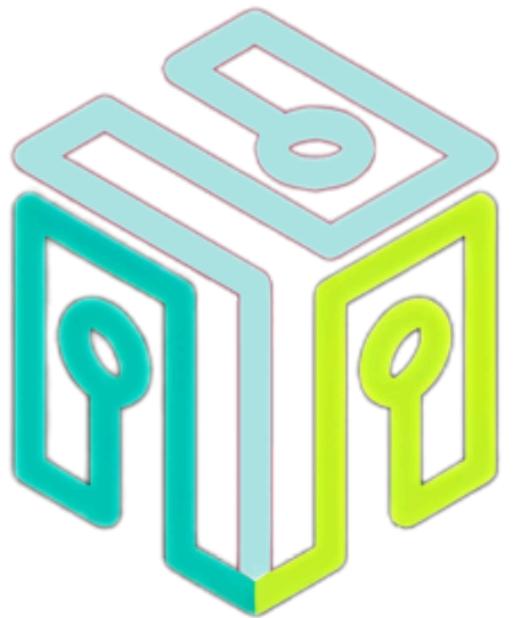
Source

Global supply chain disruptions have impacted

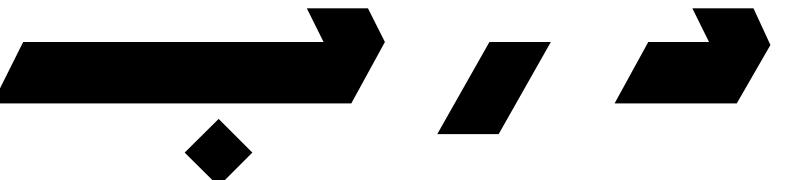
97%

of companies

Source



DARB



An AI-powered platform allows businesses to improve, automate, oversee, and simplify their supply chain operations, with government supervision to ensure safety.

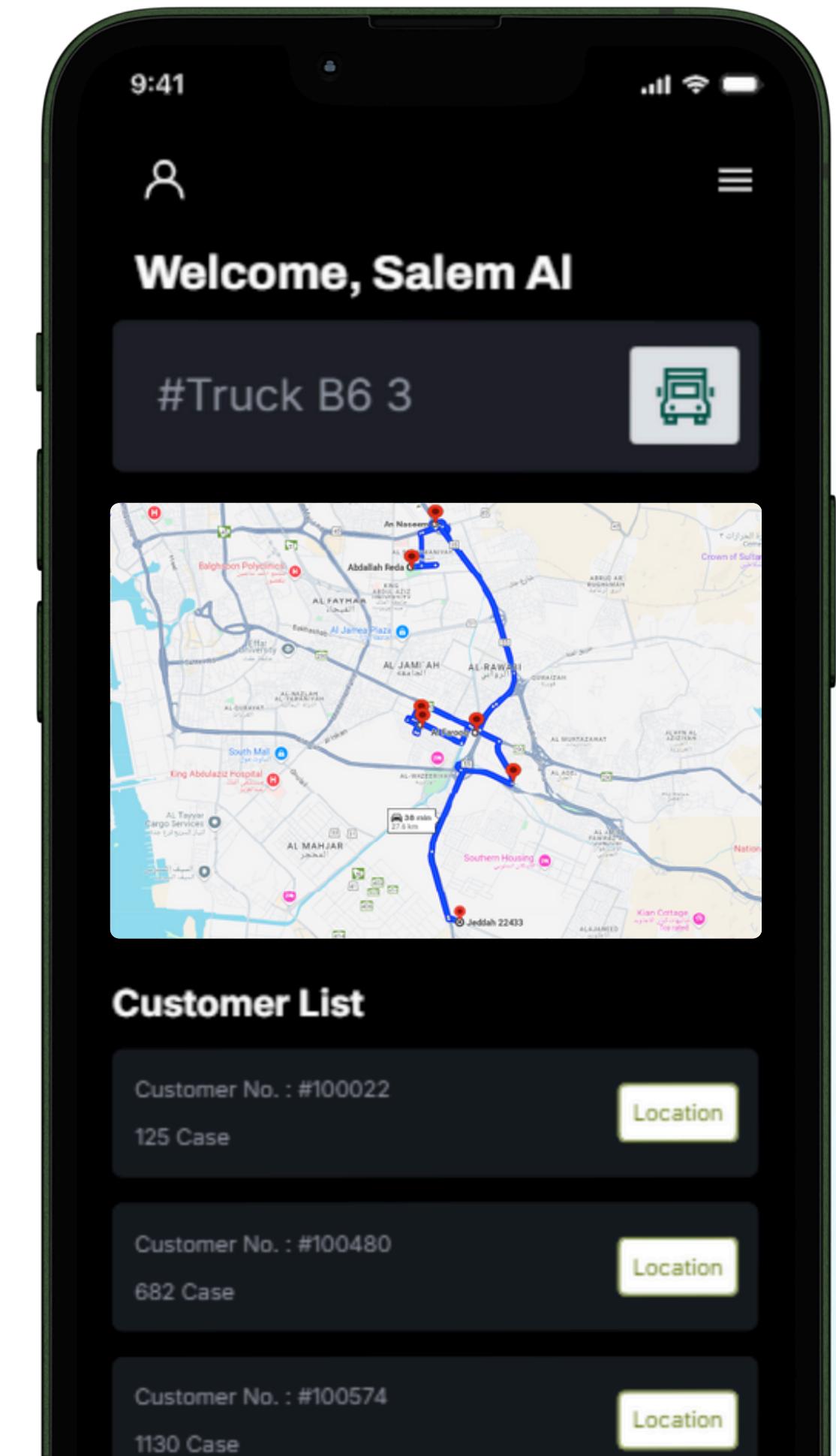
Truck	Driver	Trips	Occupation
TruckB6 1	Abdulwahed Ah	1	8/8 Pallet
TruckB6 2	Abdulmalik Ze	1	5/6 Pallet

ADDED VALUE



Faster Delivery

- Territory Optimization
- Route Optimization
- Deliver More

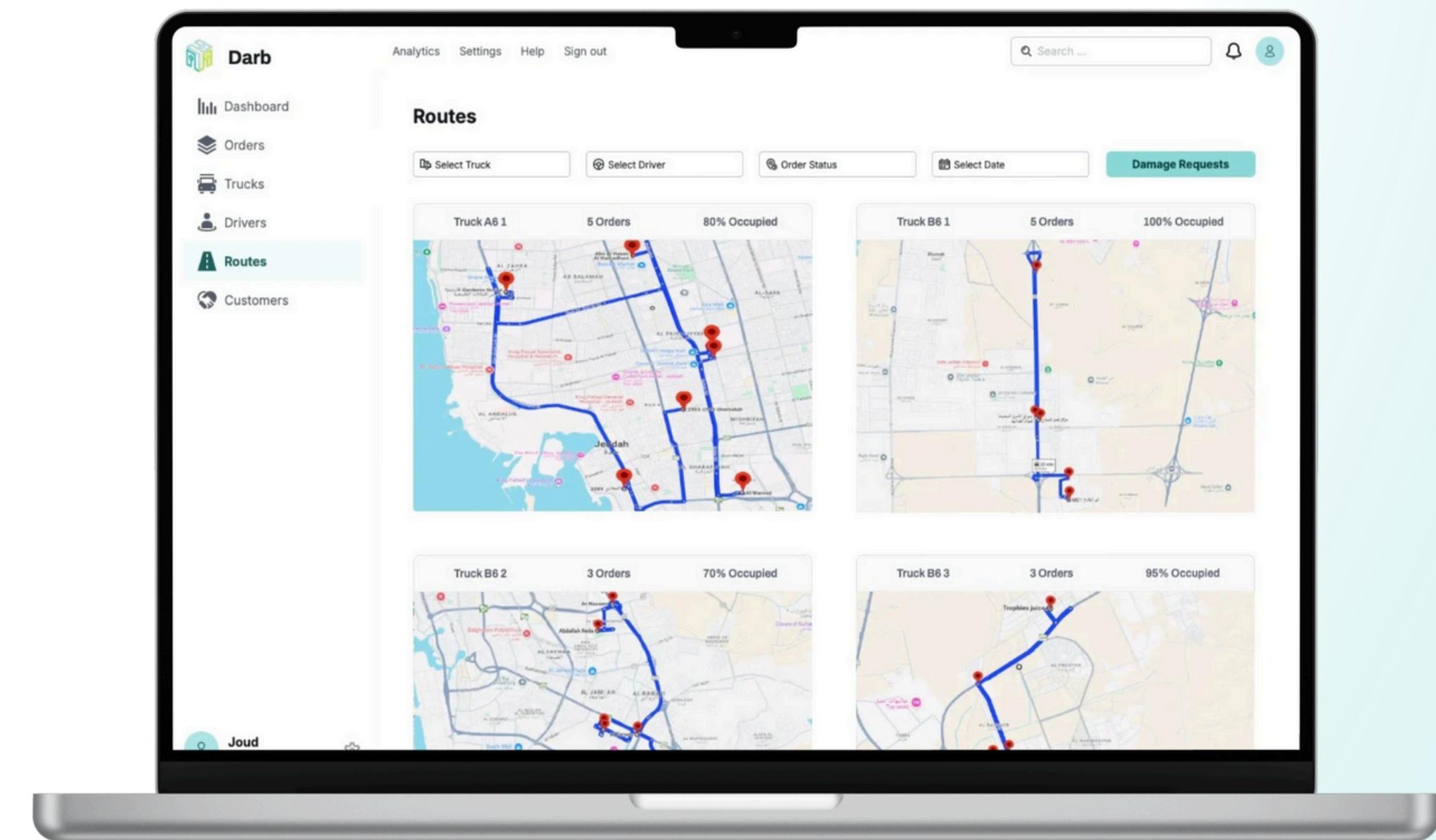


ADDED VALUE



Reliability

- Automated Assigning
- Automated Routes Planning
- On-Time Delivery



ADDED VALUE



Achieve Sustainability

- Truck Sharing
- Double Check
- Fuel Reduction

The screenshot displays the Darb app's "Truck Sharing" feature. The top navigation bar includes "Analytics", "Settings", "Help", "Sign out", a search bar, and user icons. The left sidebar menu lists "Dashboard", "Orders", "Trucks", "Drivers", "Routes" (which is highlighted in green), and "Customers". The main content area shows two maps side-by-side. The left map, titled "Truck A6 1", shows a route with 5 orders and an 80% occupancy level. It includes a green banner at the bottom stating "20% Availability" and a dropdown menu option "Share available capacity (1 pallet) orders in the same area". The right map, titled "Truck B6 2", shows a route with 3 orders and a 70% occupancy level. It includes a green banner at the bottom stating "30% Availability" and a dropdown menu option "Share available capacity (2 pallet) orders in the same area". Both maps show various locations and landmarks in Jeddah, Saudi Arabia.

ADDED VALUE



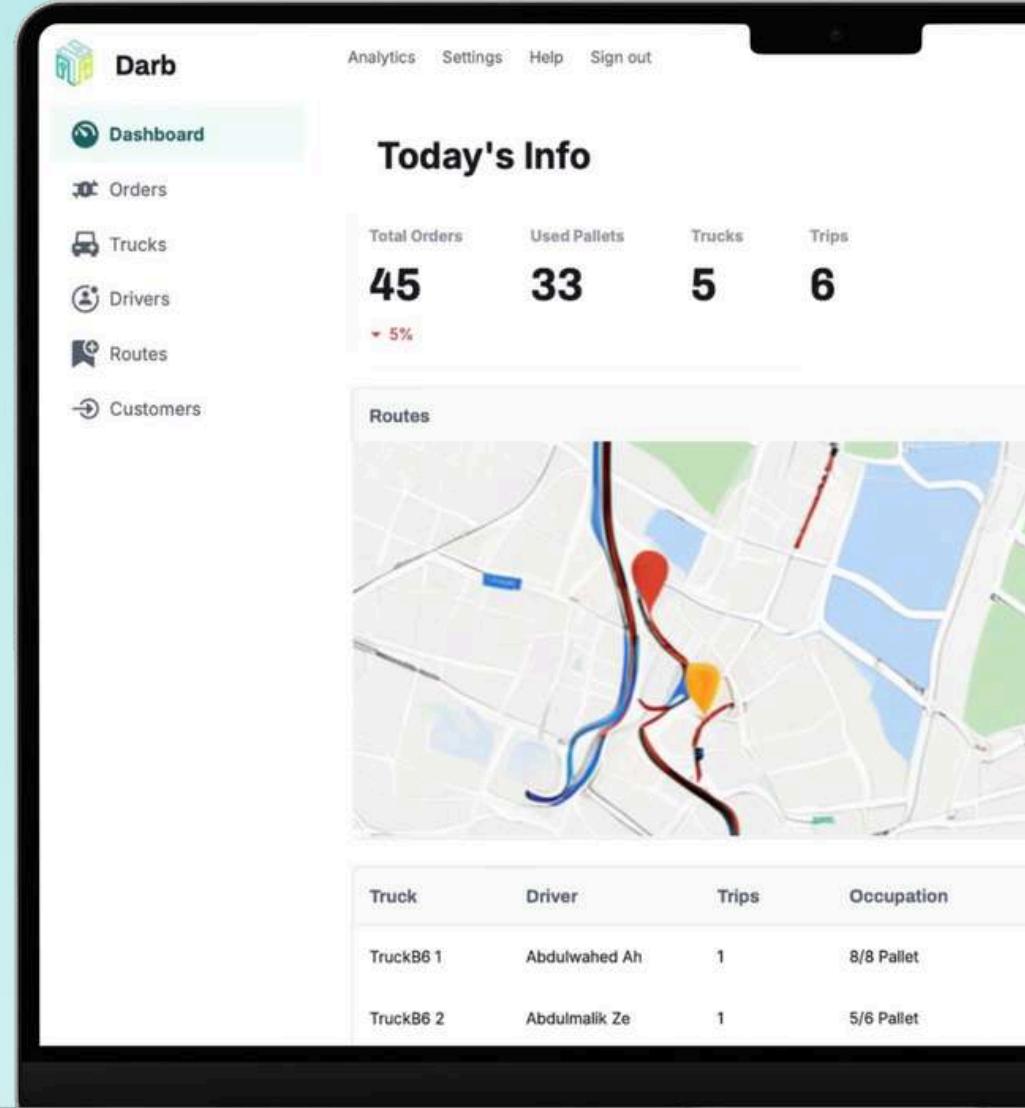
Enhance Security

- Tracking
- Reduction of Cargo Theft

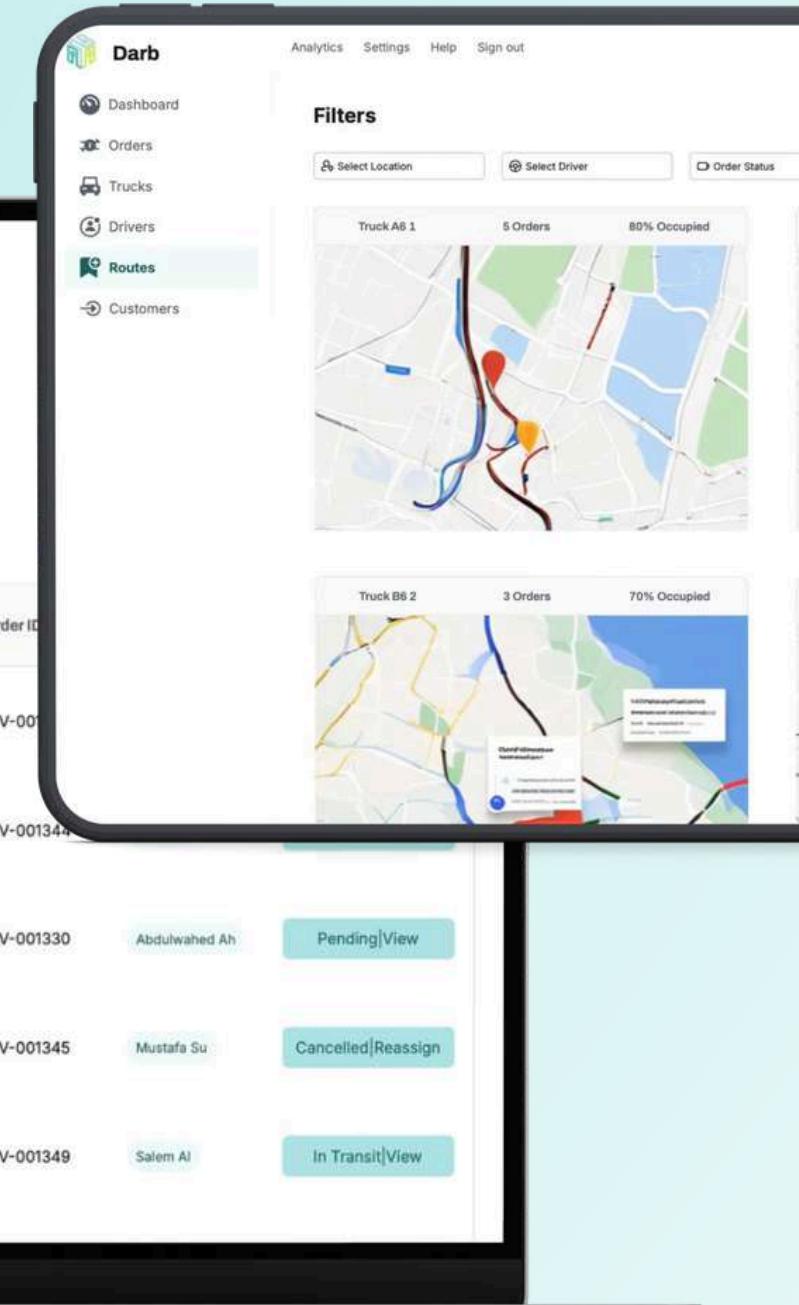


USER INTERFACES

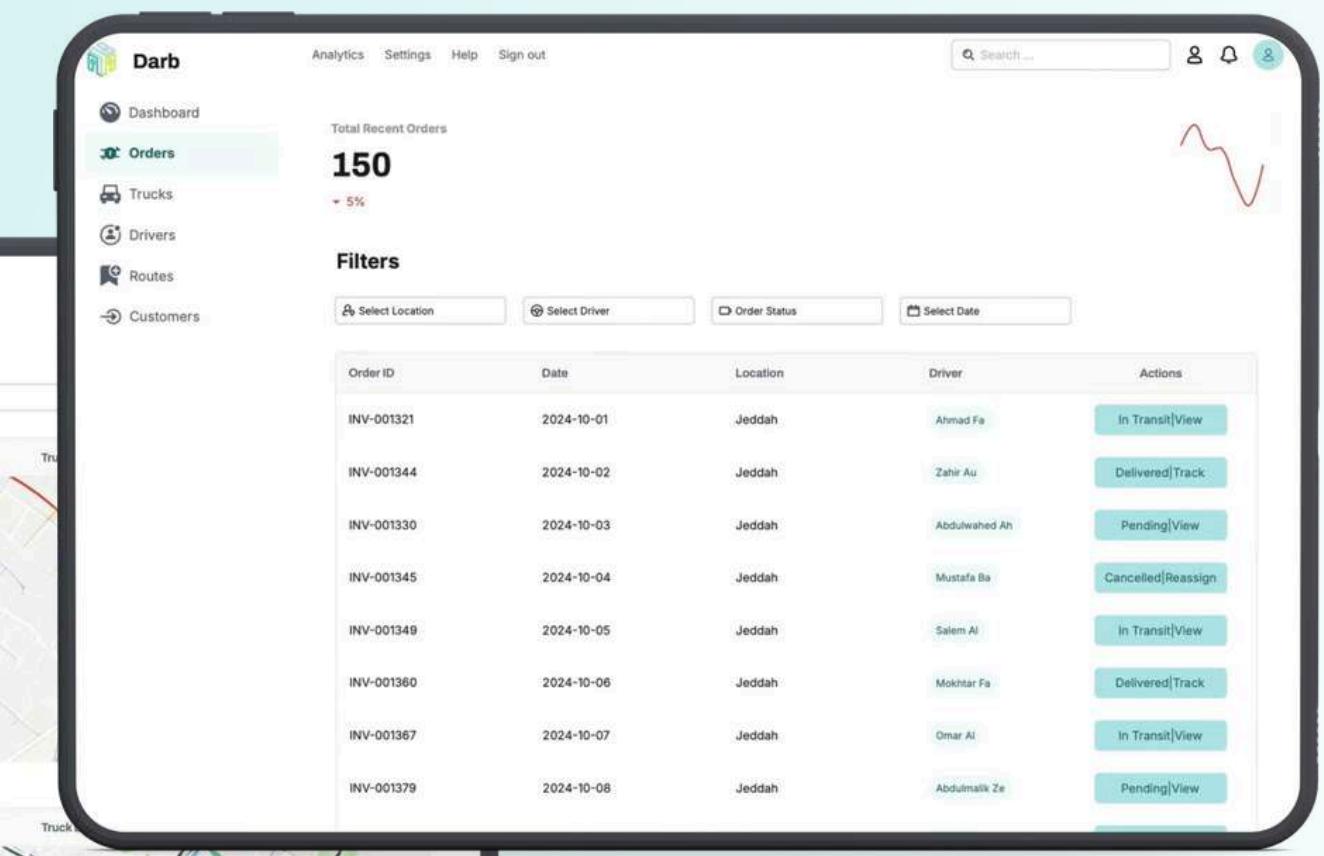
Admin Dashboard



The Admin Dashboard mobile application interface for the Darb platform. It features a top navigation bar with 'Analytics', 'Settings', 'Help', and 'Sign out' buttons. A sidebar on the left lists 'Dashboard', 'Orders', 'Trucks', 'Drivers', 'Routes' (which is selected), and 'Customers'. The main content area displays 'Today's Info' with metrics: Total Orders (45), Used Pallets (33), Trucks (5), and Trips (6). Below this is a 'Routes' section showing a map with several delivery routes marked in red and blue. A table at the bottom shows truck assignments: Truck B6 1 assigned to Abdulwahed Ah with 1 trip and 8/8 pallet occupation; Truck B6 2 assigned to Abdulmalik Ze with 1 trip and 5/6 pallet occupation.



This mobile screen shows detailed route information for specific trucks. It includes a map for 'Truck A8 1' with 5 orders and 80% occupied, and another for 'Truck B6 2' with 3 orders and 70% occupied. Below the maps are tables for each truck showing order details. For Truck A8 1, the orders are: INV-001321 (Driver Ahmad Fa, In Transit|View), INV-001344 (Driver Zahir Au, Delivered|Track), INV-001330 (Driver Abdulwahed Ah, Pending|View), INV-001345 (Driver Mustafa Ba, Cancelled|Reassign), INV-001349 (Driver Salem Al, In Transit|View), INV-001360 (Driver Mokhtar Fa, Delivered|Track), INV-001367 (Driver Omar Al, In Transit|View), and INV-001379 (Driver Abdulmalik Ze, Pending|View). For Truck B6 2, the orders are: INV-001330 (Driver Abdulwahed Ah, Pending|View) and INV-001345 (Driver Mustafa Su, Cancelled|Reassign).

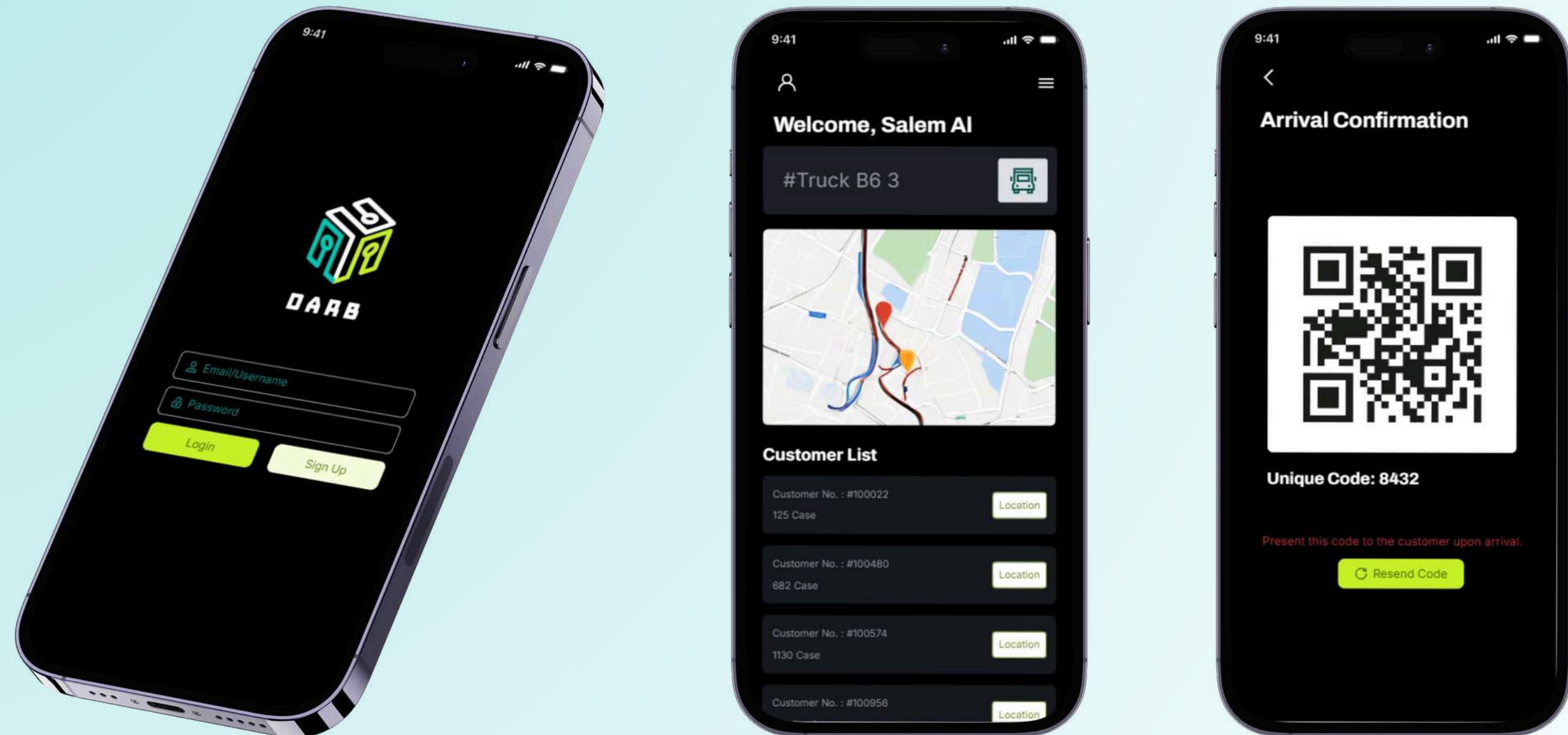


The Darb platform's desktop Orders list interface. At the top, it shows 'Total Recent Orders' (150) with a 5% increase. Below is a 'Filters' section with dropdowns for 'Select Location', 'Select Driver', 'Order Status', and 'Select Date'. The main area is a table listing 10 recent orders. Each row includes columns for Order ID, Date, Location, Driver, and Actions (e.g., In Transit|View, Delivered|Track, Pending|View, Cancelled|Reassign, In Progress|Edit). The table shows a mix of drivers and locations, such as Jeddah and Makkah.

Order ID	Date	Location	Driver	Actions
INV-001321	2024-10-01	Jeddah	Ahmad Fa	In Transit View
INV-001344	2024-10-02	Jeddah	Zahir Au	Delivered Track
INV-001330	2024-10-03	Jeddah	Abdulwahed Ah	Pending View
INV-001345	2024-10-04	Jeddah	Mustafa Ba	Cancelled Reassign
INV-001349	2024-10-05	Jeddah	Salem Al	In Transit View
INV-001360	2024-10-06	Jeddah	Mokhtar Fa	Delivered Track
INV-001367	2024-10-07	Jeddah	Omar Al	In Transit View
INV-001379	2024-10-08	Jeddah	Abdulmalik Ze	Pending View

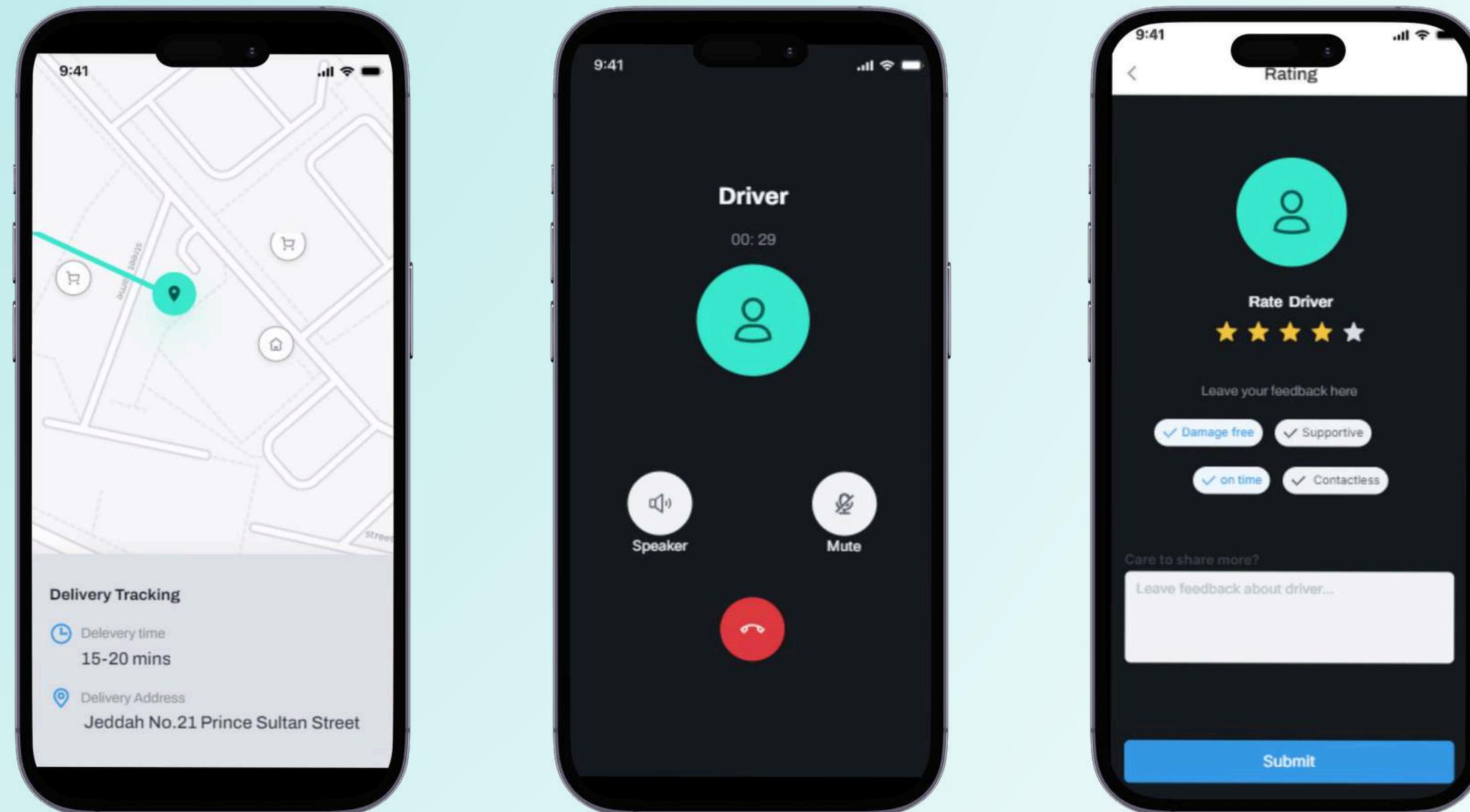
USER INTERFACES

Truck Driver Interface

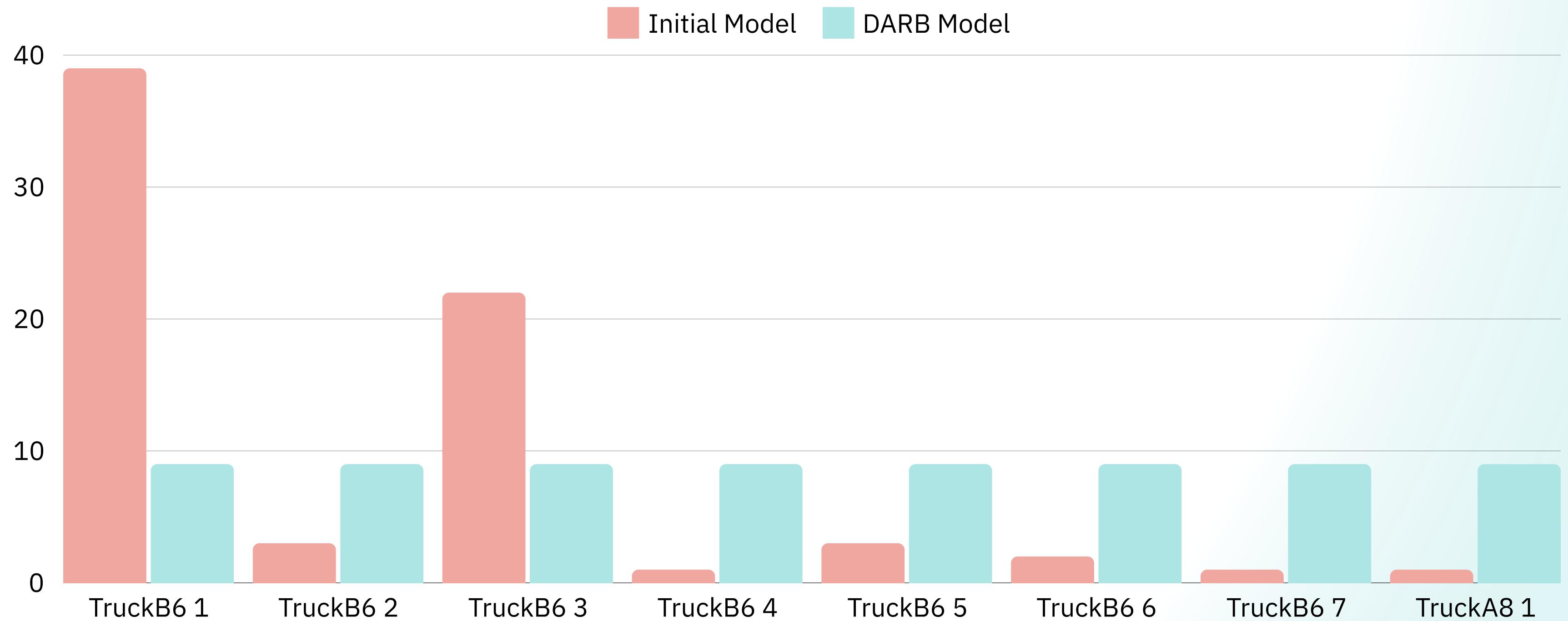


USER INTERFACES

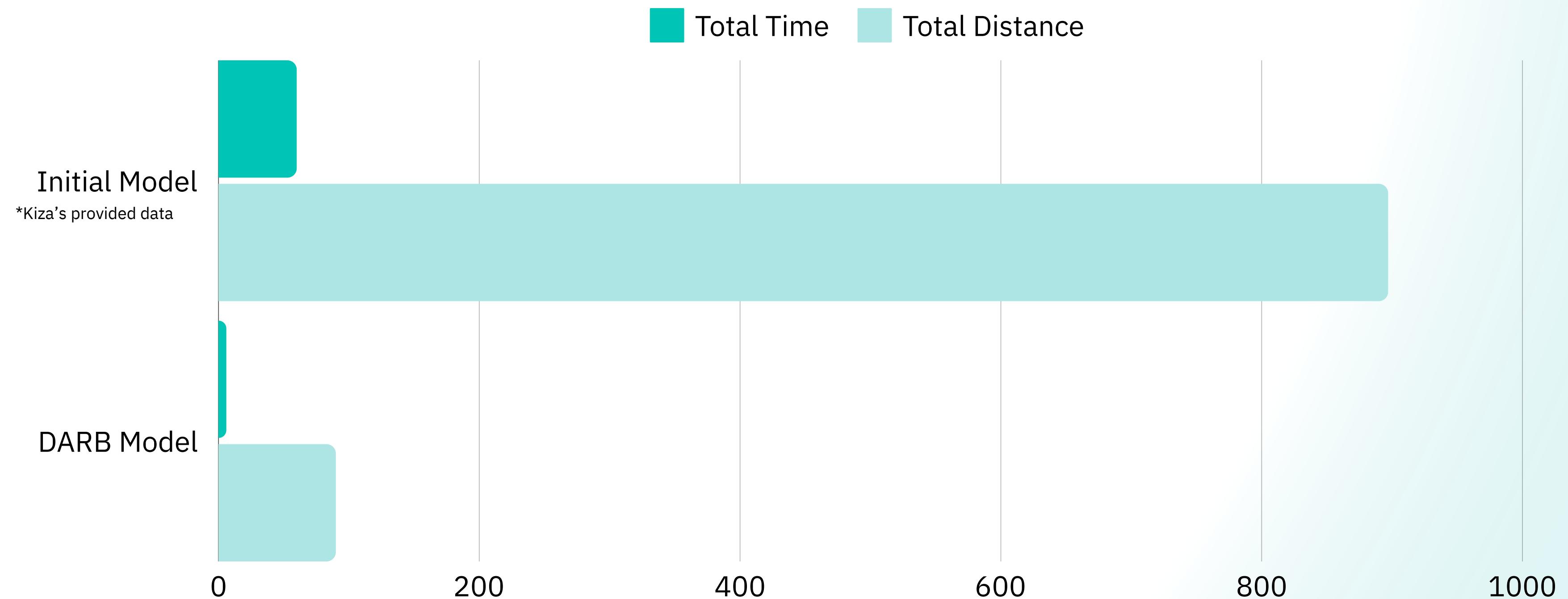
Truck Driver Interface



OUTPUTS



OUTPUTS



OUTPUTS

Diesel cost reduction per year

Kinza's Trucks

91,250 SR

KSA's Trucks

136,875,000,000 SR

OUTPUTS

Last Trip

Truck	Truck B6 1	Truck B6 2	Truck B6 3	Truck B6 4	Truck B6 5	Truck B6 6	Truck B6 7	Truck A8 1
Available Space	77%	6%	56%	50%	22%	67%	24%	43%

DARB TECHNOLOGIES & TOOLS

Front-End



Back-End



AI Algorithms & Technologies



Google Cloud

colab

IMPACT



Economic Growth



Sustainable Environments



National Security



Collaborative Opportunities

CUSTOMER SEGMENTS

Government
entities



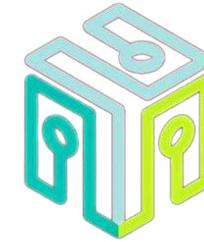
Delivery
apps



Manufacturing
entities

MARKET COMPETITORS

	Share Truck Capacity Utilization	AI Planning for Last Mile Delivery	Government Supervision	Enhance Security
DARB				
Shipsy				



DARB TEAM



Eng. Ibrahim Saber
AI specialist



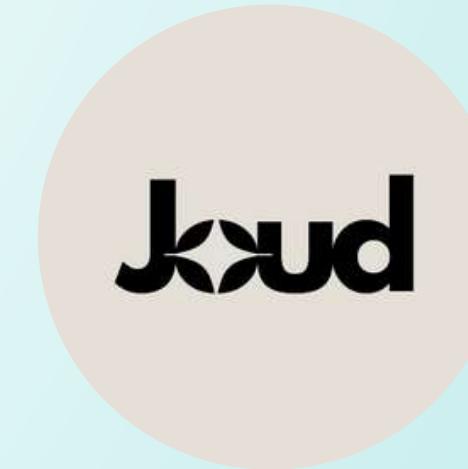
Eng. Meshari Almeghawli
Supply chain specialist



Taif AlHarthi
Data analyst



Tahani AlHarazi
Industrial Engineer



Joud Sayadi
Data analyst

REVENUE MODEL

SUBSCRIPTION-BASED

Startups Companies

- 1 - 5 Users
- 150 Trucks
- Quality Guarantee in Trucks
- Truck Tracking System

60 - 300 SR

Medium Companies

- 5 - 10
- 250 Trucks
- Customer Priority
- Quality Guarantee in Trucks
- Truck Tracking System

300 - 600 SR

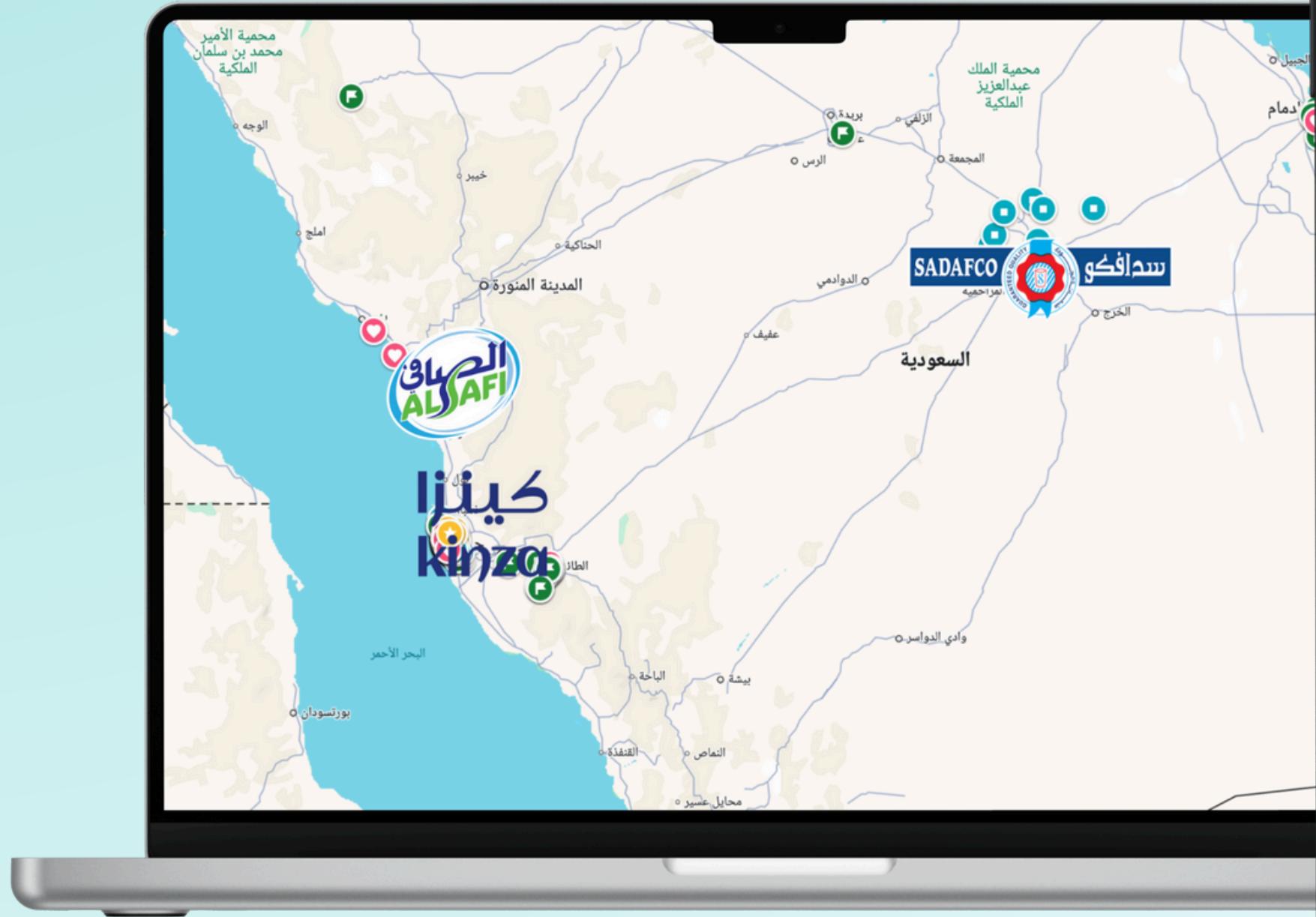
Big Companies

- 15 - 30 Users
- +500 Trucks
- Customer Priority
- Truck Sharing
- Quality Guarantee in Trucks
- Truck Tracking System
- Payment Monitoring

900 - 1800 SR

USER INTERFACES

Govermental Supervision



USER INTERFACES

Damage Requests

The image displays two user interface screens side-by-side, illustrating different approaches to managing damage requests.

Left Screen (Mobile App):

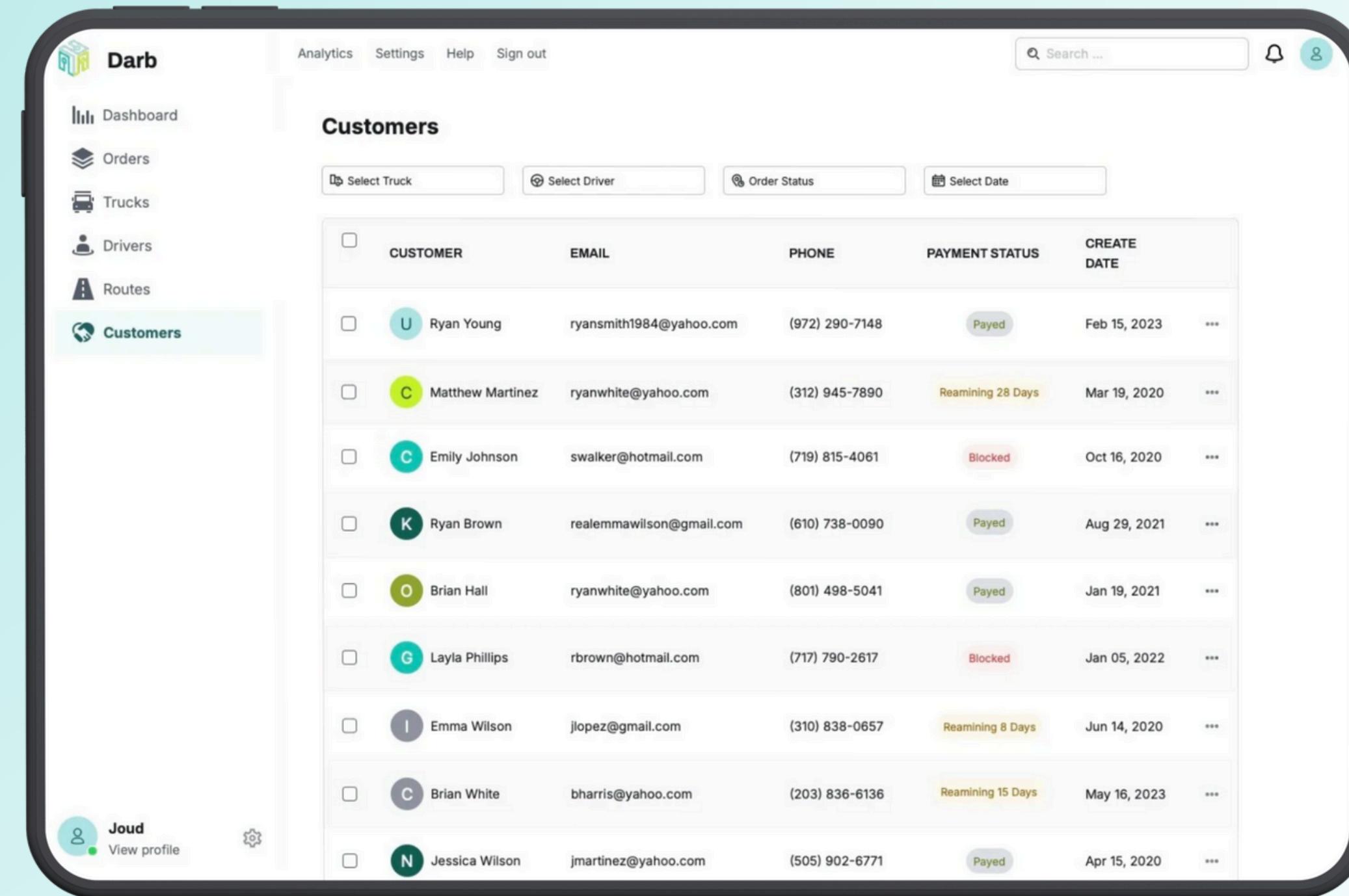
- Header:** Damage Requests
- Search Bar:** Search ...
- Filter Buttons:** Order Status, Select Date, Damage Requests
- Map View:** Shows a route for "Truck B6 1" with 5 Orders and 100% Occupied. The map includes a grid of streets and several blue location markers indicating delivery points.

Right Screen (Web Application):

- Header:** Darb (with logo), Analytics, Settings, Help, Sign out, Search ...
- Sidebar:** Dashboard, Orders, Trucks, Drivers, **Routes** (selected), Customers
- Section:** Damage Requests
- Table:** A list of damage requests with the following columns:
 - Customer
 - Topic
 - Request
 - Location
 - Status
 - Assigned to
- Data:** The table lists 10 entries, each representing a damage request from a customer like Ashley Gonzalez or Elizabeth Hall, categorized under "Damage". The status column indicates the request's status (e.g., New, Closed) and the assigned to column shows the responsible individual (e.g., None, Ahmad Fs, Jennifer Edwards).

USER INTERFACES

Payment Status



The screenshot shows the Darb software interface, specifically the Customers page. The page title is "Customers". At the top, there are four filter dropdowns: "Select Truck", "Select Driver", "Order Status", and "Select Date". Below the filters is a table with the following columns: CUSTOMER, EMAIL, PHONE, PAYMENT STATUS, and CREATE DATE. The table contains the following data:

CUSTOMER	EMAIL	PHONE	PAYMENT STATUS	CREATE DATE
Ryan Young	ryansmith1984@yahoo.com	(972) 290-7148	Payed	Feb 15, 2023
Matthew Martinez	ryanwhite@yahoo.com	(312) 945-7890	Reamining 28 Days	Mar 19, 2020
Emily Johnson	swalker@hotmail.com	(719) 815-4061	Blocked	Oct 16, 2020
Ryan Brown	realemmawilson@gmail.com	(610) 738-0090	Payed	Aug 29, 2021
Brian Hall	ryanwhite@yahoo.com	(801) 498-5041	Payed	Jan 19, 2021
Layla Phillips	rbrown@hotmail.com	(717) 790-2617	Blocked	Jan 05, 2022
Emma Wilson	jlopez@gmail.com	(310) 838-0657	Reamining 8 Days	Jun 14, 2020
Brian White	bharris@yahoo.com	(203) 836-6136	Reamining 15 Days	May 16, 2023
Jessica Wilson	jmartinez@yahoo.com	(505) 902-6771	Payed	Apr 15, 2020

The left sidebar includes links for Dashboard, Orders, Trucks, Drivers, Routes, and Customers, with Customers being the active tab. The bottom navigation bar features "Joud" and "View profile" on the left, and a gear icon on the right.

USER INTERFACES

Truck Sharing

The screenshot shows the Darb mobile application interface for managing truck sharing. The top navigation bar includes the Darb logo, Analytics, Settings, Help, Sign out, a search bar, and a notification bell icon.

The left sidebar menu lists Dashboard, Orders, Trucks, Drivers, **Routes** (selected), and Customers. The main content area is titled "Truck Sharing".

Two trucks are displayed on maps:

- Truck A6 1**: 5 Orders, 80% Occupied. The map shows a route with several blue location pins and a green banner at the bottom right indicating "20% Availability". Below the map, there are buttons for "Share available capacity (1 pallet)" and "orders in the same area".
- Truck B6 2**: 3 Orders, 70% Occupied. The map shows a route with several blue location pins and a green banner at the bottom right indicating "30% Availability". Below the map, there are buttons for "Share available capacity (2 pallet)" and "orders in the same area".

USER INTERFACES

Prototype

