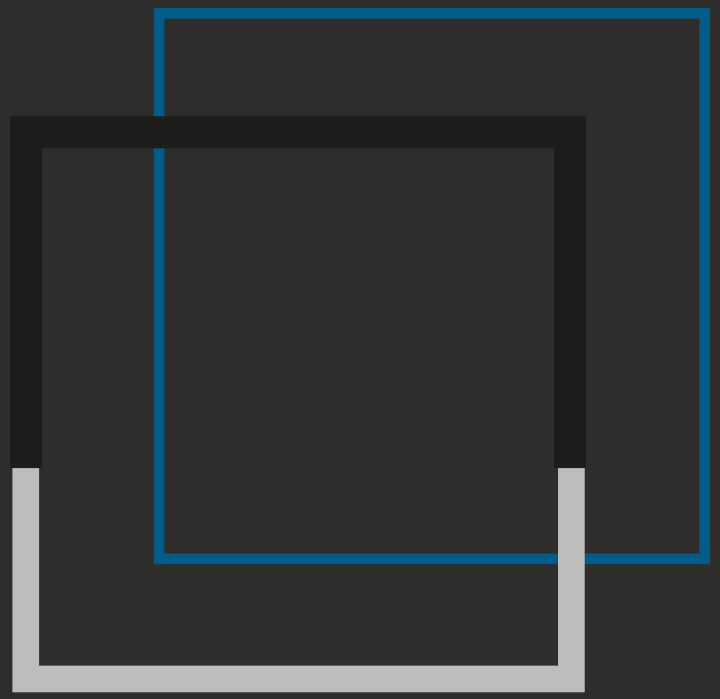


MANGO CAR

New Generation Electric Vehicle

Complete Mobility Provider.

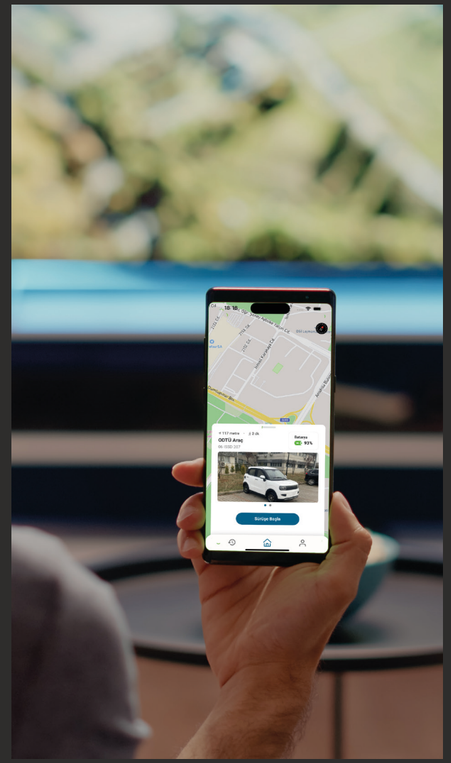
INTEGRATED SYSTEMS & SYSTEMS DESIGN

Who are we?

Founded in 2009, ISSD provides solutions to create added value in the field of intelligent transport. Its areas of expertise include traffic management, electronic applications and consulting services. With the slogan 'Complete Mobility Provider', ISSD contributes to mobility from A to Z by working for a greener, more efficient and accessible transport future in more than 5000 locations in 15 countries.

ISSD is located in METU Teknokent, Turkey's most prestigious technology development zone. The company stands out from its competitors with its product portfolio, technical expertise, R&D capabilities and long-term customer relationships. ISSD's young and talented team is committed to creating value and aims to become a global leader by delivering this value to the world.

MANGO CAR
New Generation Electric Vehicle.



MANGO CAR is a 100% electric mini smart vehicle that is connected to the Traffic Control Centre Software MANGO. MANGO controls and commands all signalized intersections, all traffic sensors, all variable message signs and all car parks in cities.

Thanks to MANGO CAR, real-time information about the road and traffic situation already available in the Traffic Control Center is shared with drivers, promising a safe and comfortable travel.

With these features, MANGO CAR serves the field of Cooperative Intelligent Transportation Systems (C-ITS), which is rapidly spreading all over the world and includes the communication of vehicles with each other and control centers.

MANGO CAR
Components.

MANGO - Next Generation Traffic Management Center Platform

MANGO is interactive traffic control center software. Its user-friendly, web-based interface allows you to monitor, analyze, manage and control different traffic systems and sensor sets. The information about the city traffic and road network collected in MANGO is transferred to the MANGO CAR driver via two-way communication.

Mobile Application

Developed for the safe and comfortable traveling of MANGO CAR users, the mobile application allows the location of the nearest vehicle to the user to be viewed and rented. Thanks to the mobile application, which can be used both in private vehicles and within the car sharing system, optimized route suggestions are given according to the origin and destination locations selected on the map and approximate price information is shared.

In-Vehicle Smart Display

The in-vehicle smart display located on the front panel of the MANGO CAR uses “vehicle-environment communication” technology to provide the driver with information on road and traffic conditions. The navigation service for the recommended optimized route is provided via this display.

MANGO CAR
Benefits

Energy consumption while driving is minimized with optimized route suggestions.

Supports the car sharing and ride sharing model.

Minimizes parking space problems.

It is safer than micromobility vehicles.collection

It is 100% electric, environmentally friendly with zero emission.

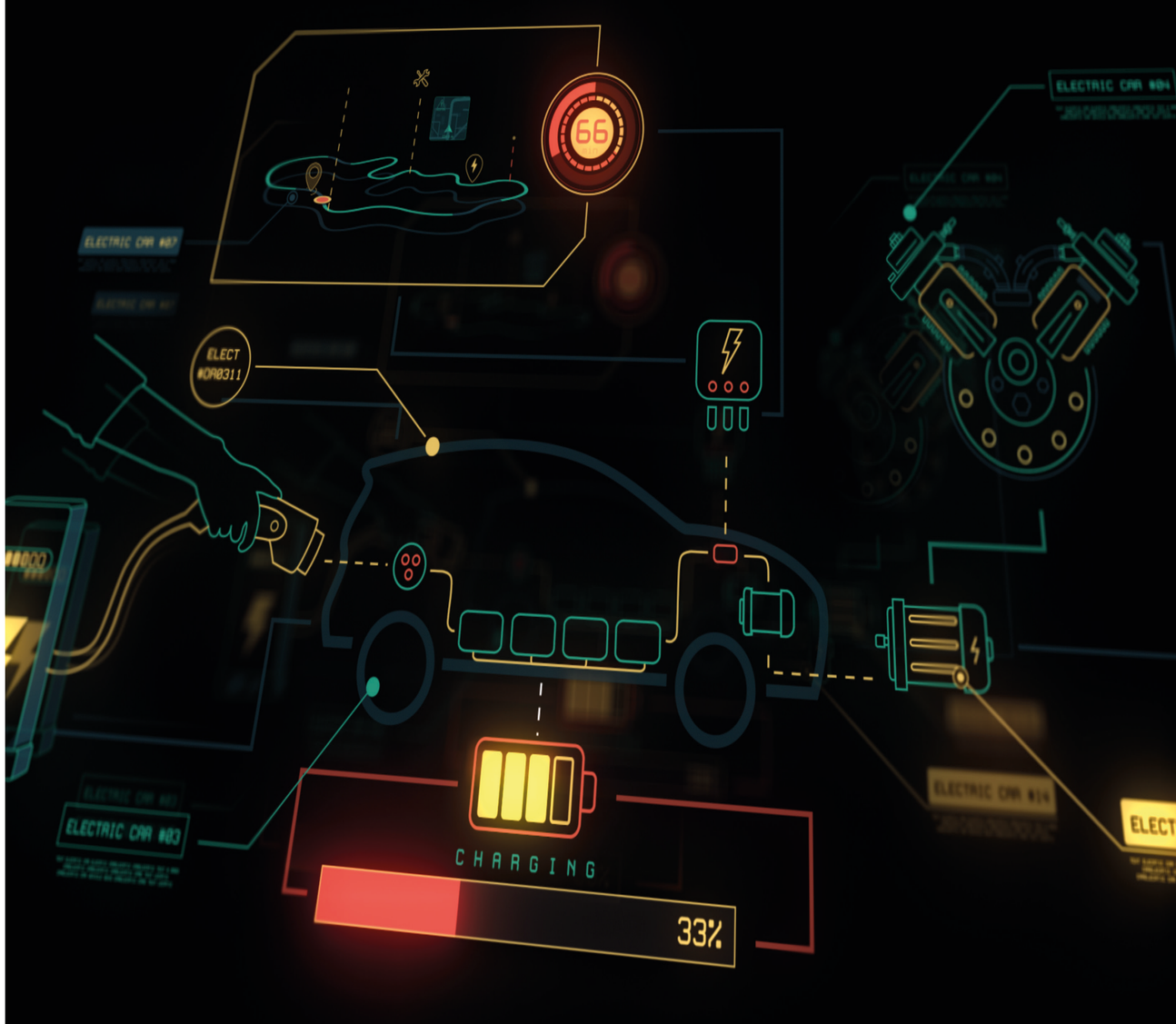
With its long range, it is also useful for long distances in the city.

It can be charged from 200 V city power in ~6 hours easily.

It has some priorities such as allocated and cheaper car parking spaces, low-cost charging.

Two-way communication with the Traffic Control Center Software MANGO provides the driver with real-time information on road and traffic conditions.

It offers a safe and comfortable traveling experience by using new generation smart transportation technologies.



MANGO CAR
Features

Electronic Enforcement System (EES) Alert

The locations of the EESs, which are also published by the General Directorate of Security, and whether they are on the current route or not are transmitted to the driver. When an EES point is approached, the driver is given an audible and visual warning to ensure safe passage through this point.

Instant Traffic Signal Information

The instant status of the traffic lights at the upcoming junctions is notified to the driver via the smart screen in MANGO CAR. In this way, drivers are informed about the instant situation at intersections, enabling them to travel more safely and comfortably.

Optimized Route Suggestion

For an origin and destination point selected by the MANGO CAR driver, real-time information on the road and traffic situation (traffic density, queue length and delays at intersections, geographical data, etc.) is used to suggest a route that optimizes energy consumption.

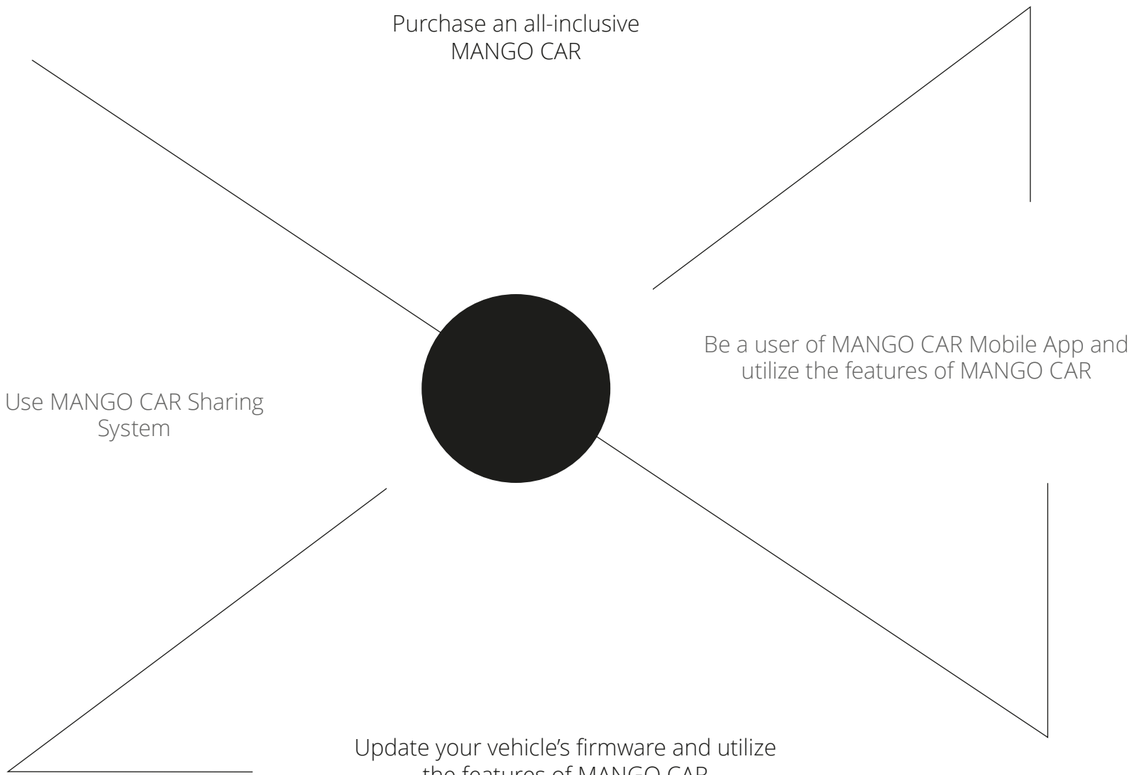
Green Light Optimal Speed Advisory (GLOSA)

The driver of the MANGO CAR is given a speed recommendation to pass through the next intersection on a green light without being stuck at a red light, and the driver is notified via the smart display in the front panel of MANGO CAR. While giving a speed recommendation, a calculation is made using instant traffic density and traffic signal information.

Car Park Occupancy Information and Parking Space Reservation

The MANGO CAR driver is informed of the location and availability of the car parks on the route and closest to the destination. It also offers the possibility to make an online reservation for the selected parking space.

How to get a MANGO CAR?



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