# 4A Labs
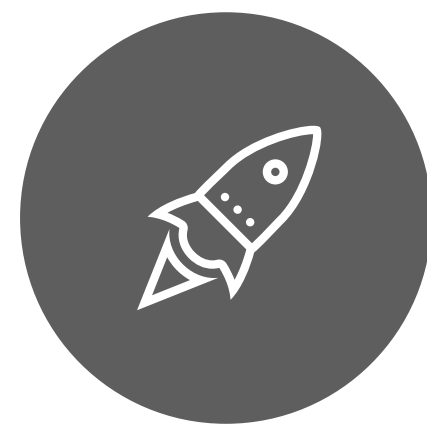
TECHNOLOGY AND INNOVATION BRILLIANTLY BLENDED

4A Labs

# WE

ASPIRE - ADAPT - ADVANCE - ACHIEVE

We turn your ideas & ventures into reality.

4A Labs

# WHO WE ARE?

We are 4A Labs, your innovative technology solutions partner. We are a team of highly experienced managers, technical architects, engineers, developers, analysts, data scientists and designers who work around the clock to deliver software and hardware solutions that will reduce your costs, increase your visibility and save time during your decision making process. We know one size doesn't fit all, thus, we tailor knowledge, experience and technology just for your needs
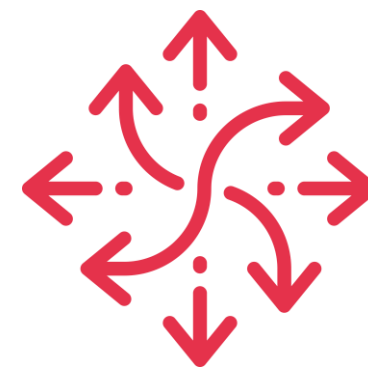
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# OUR EXPERIENCE

Our company has extensive Experience & Expertise in Enterprise Level Software & Platform Development, Mobile Application Design & Development, e-Commerce, B2C/ B2B, Web3, Blockchain, NFT, Metaverse, AI and IOT solutions. All our projects follow Agile & Scrum Software Development & Project Management,

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OUR COMPANY IN NUMBERS

120+ / 350+ / 65+ / 8

Members / Projects / Clients / Awards

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# Our Capabilities

Our value and promise to our clients & partners is to be their long term "in-house" IT, Digital and Creative Service Partner for their ventures and enterprises by offering in-budget, on-time, and agile IT solutions.
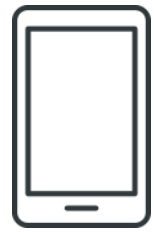
Internet of Things (IoT) Programming

Artificial Intelligence (AI) Programming

Hardware Embedded Programming

Wearable Programming

User Experience (UX)

User Interface (UI)

3D Modeling & Programming

Search Engine Optimization (SEO)

Web and Mobile Design & Development

CRM, ERP & e-Commerce Platform Dev.

Backend Integration & Development

Service Oriented Architecture (SOA) Web

Services Dev. & Integration

Database Design & Development

System & Business Analysis

Enterprise Level Architecture

# Our Technology Expertise

Our strength and proficiency in the following areas of technology enable our clients & partners to grow their businesses much faster, steadier and scalable

## Mobile Development

iOS (Objective-C, Swift)

Android (Java)

React Native

Flutter

Xamarin

Ionic

## Front-End Development

CSS/HTML5

Javascript, Ajax/jQuery, DojoJS, ReactJS, AngularJS, VueJS jQuery Mobile

Responsive Design (e.g. Bootstrap)

JSON/XML/REST & RESTFULL

APIs/Web Services

## Web Development

Go Lang

Node.JS

.NET - C#/ASP.NET

PHP

Ruby on Rails

Java
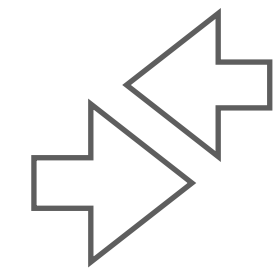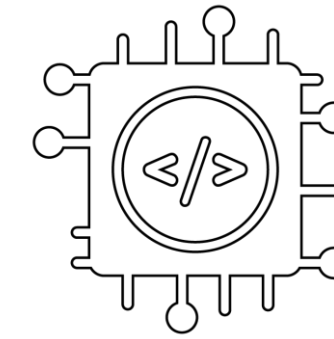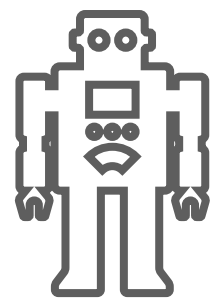
Python

## Database Architecture

Oracle

MS SQL Server

MySQL

PostgreSQL

NoSQLs

(CouchDB, MongoDB)

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# Our Technology Expertise

Our strength and proficiency in the following areas of technology enable our clients & partners to grow their businesses much faster, steadier and scalable

## AI, Machine Learning & Neural Net

Neural Networks

Computer Vision

YOLO

Tensor Flow

DarkNet

Object Classification

## Internet of Things (IOT)

Vehicle Telemetry

Indoor Positioning

Outdoor Positioning

Custom Hardware Design

WiFi / GPS / RF Applications

Wearable Programming

## Embedded System Design & Development

Custom PCB design

IC architectures: ST, ARM, ATMEL, FPGA / Zylinx, ASIC

Video/Image Processing Algorithms

Sensor and I/O Integration

Advanced Communication Protocols

## Integration Solutions

ERP (SAP, IFS, JD Edwards, etc)

Legacy Systems

AS/400

Scada - PLC

3rd Party Systems

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# Our Sectors

As a full-service technology and creative solutions provider, we service multiple sectors and industries while working with some of the leading enterprises in their fields.

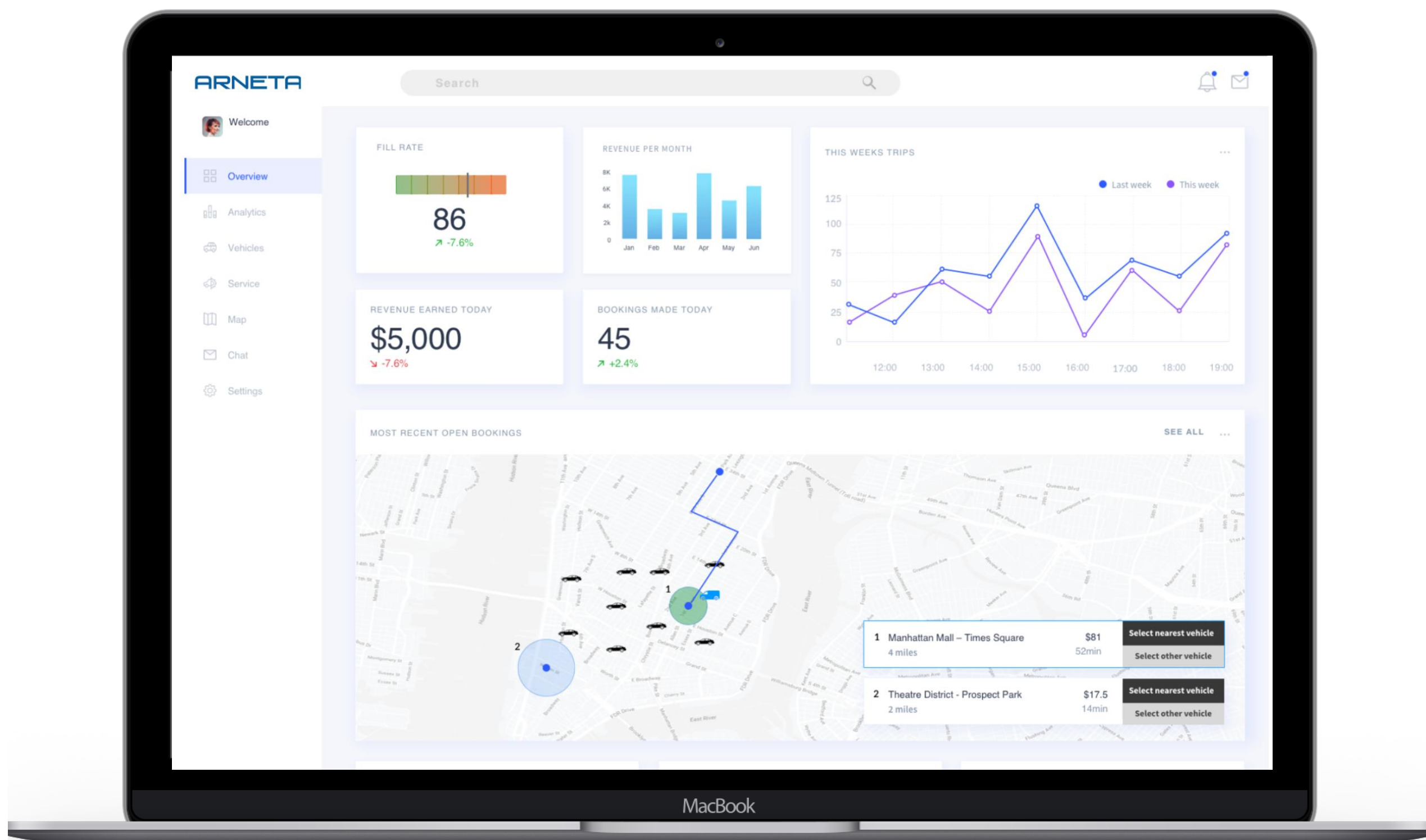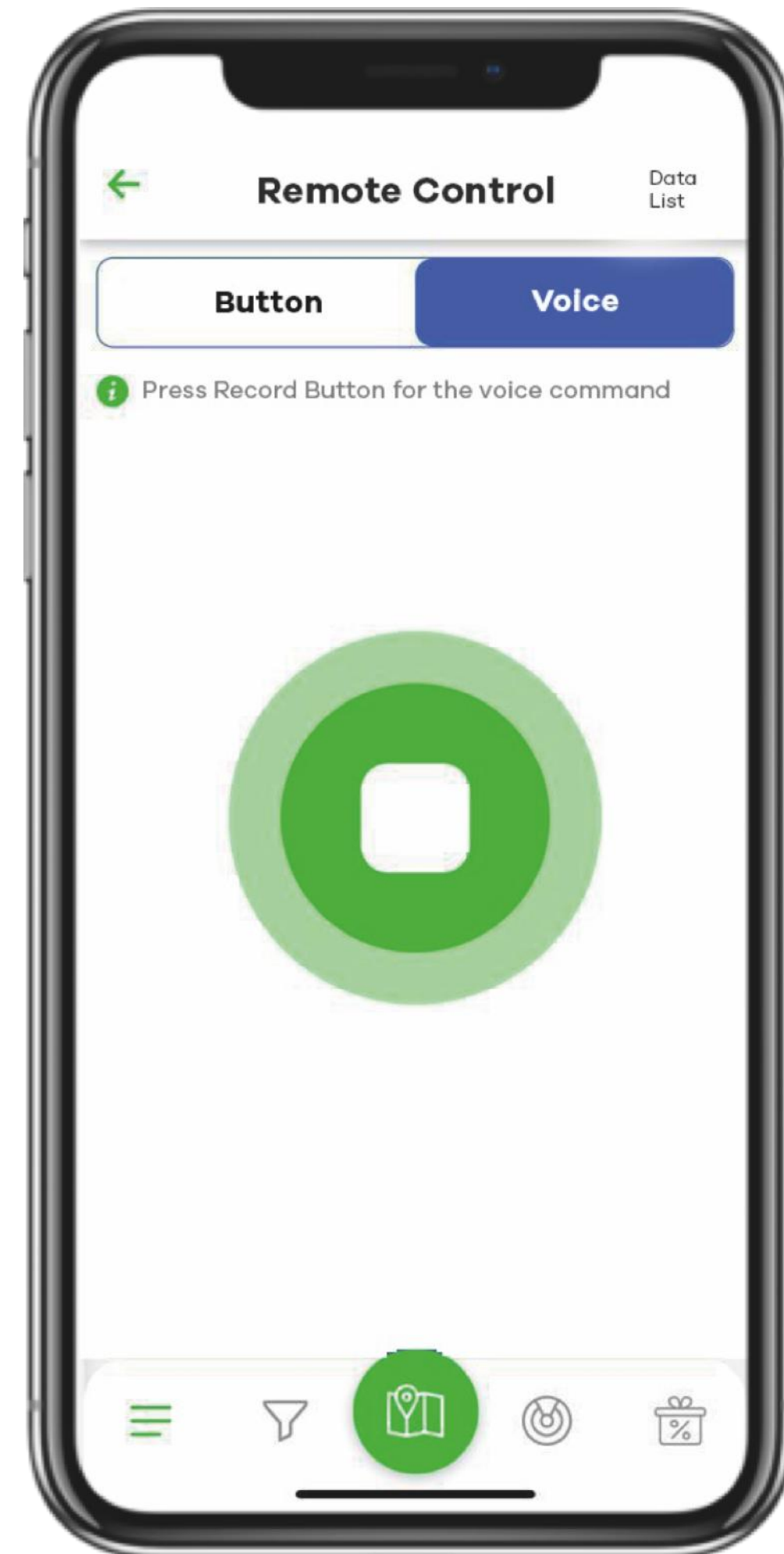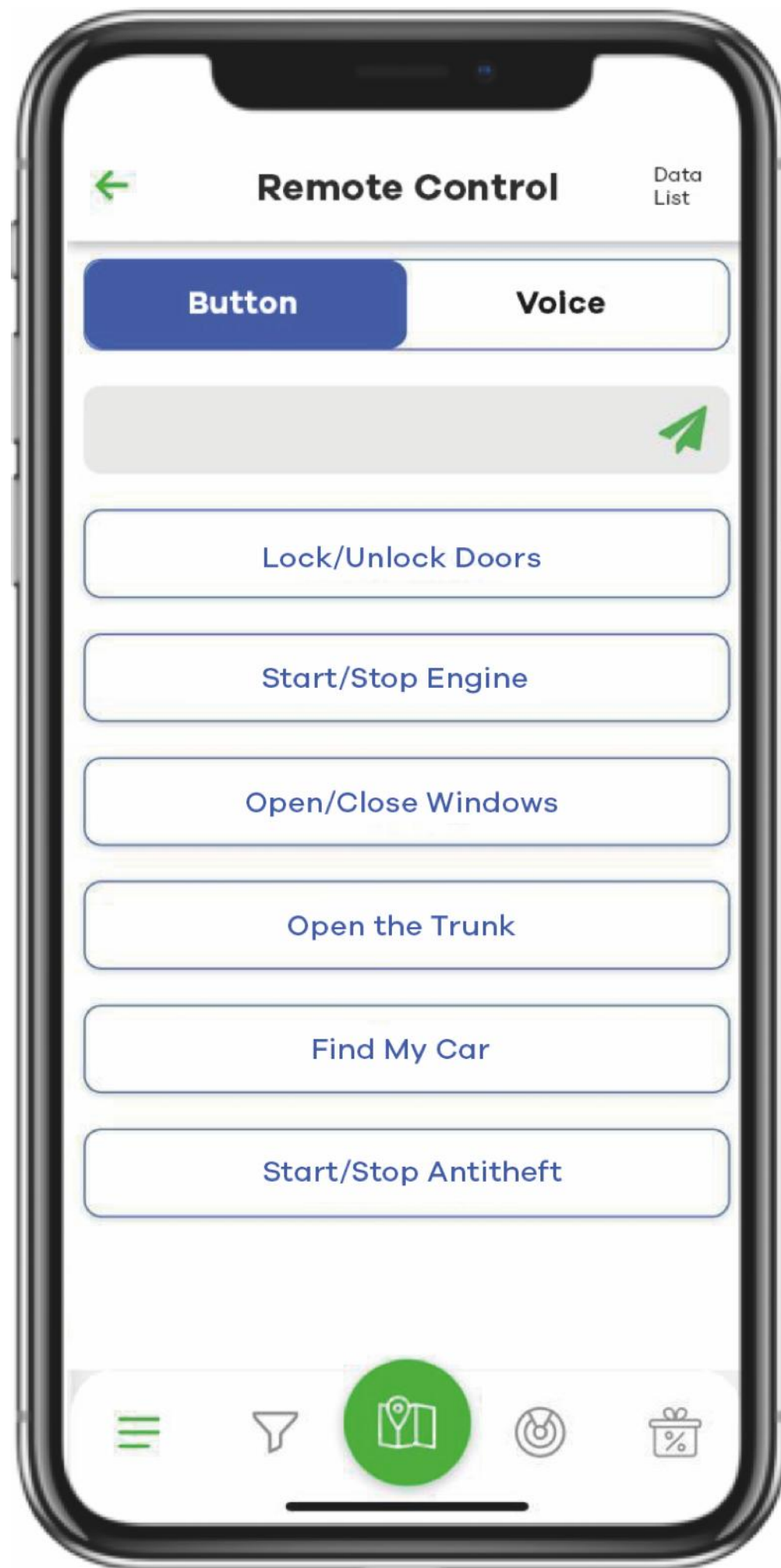| | |
|---|---|
| GOVERNMENT | ENERGY |
| FINANCE | TELCO |
| RETAIL | AUTOMOTIVE |
| GLOBAL TRADE | TOURISM |
| MANUFACTURING | SPORTS |
| TRANSPORTATION | HEALTH |
| FMCG | REAL ESTATE |

Next Generation
Connected Car,
Vehicle Telemetry & Car
Sharing Technologies

# Connected Car & Vehicle Telemetry Platform

4A Labs designed and developed a fully customized, state of the art, Connected Car Telemetry platform with ARNETA. Scope includes Management and User consoles as well as IOS, Android and Huawei apps developed React Native technologies.
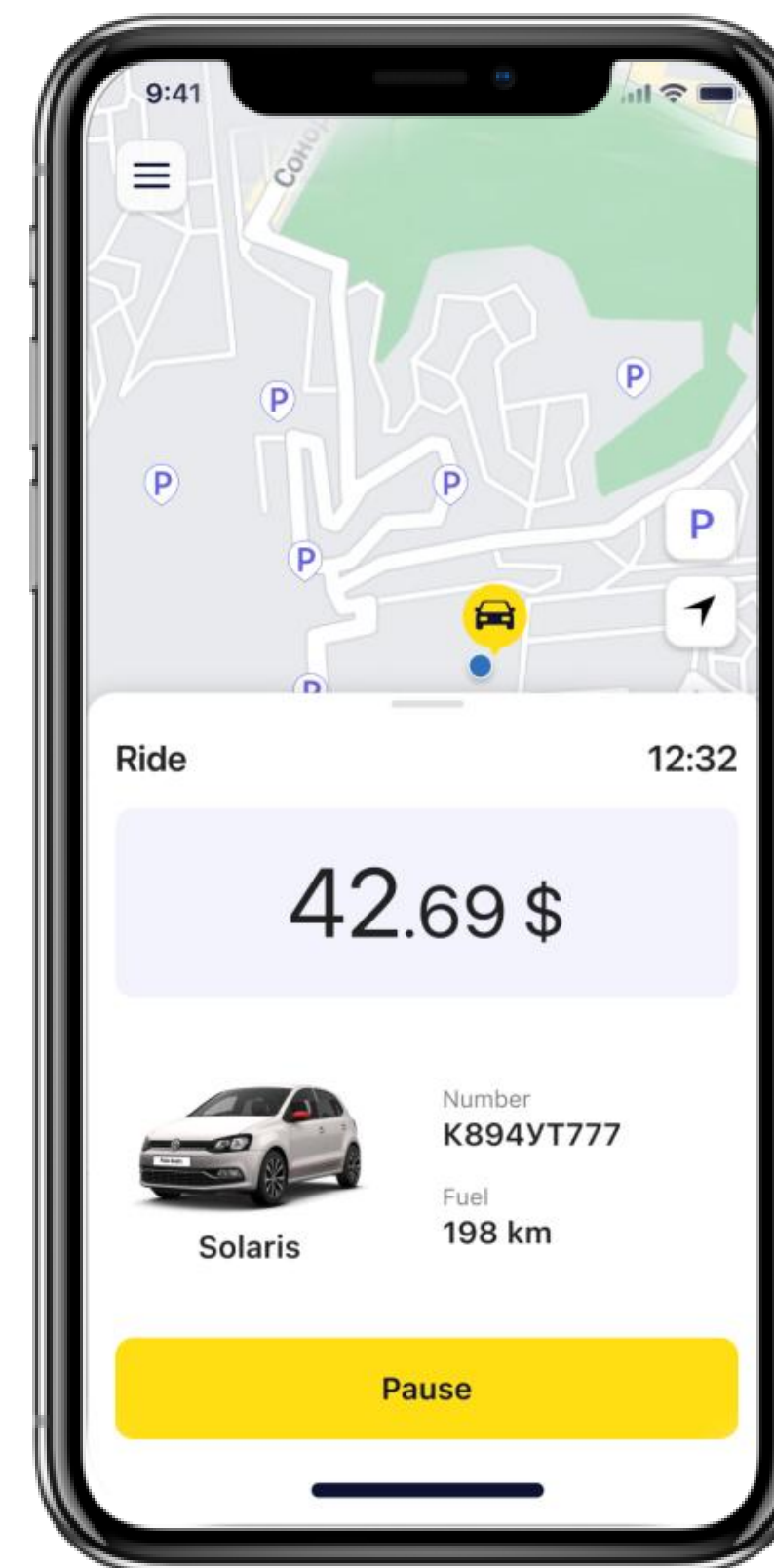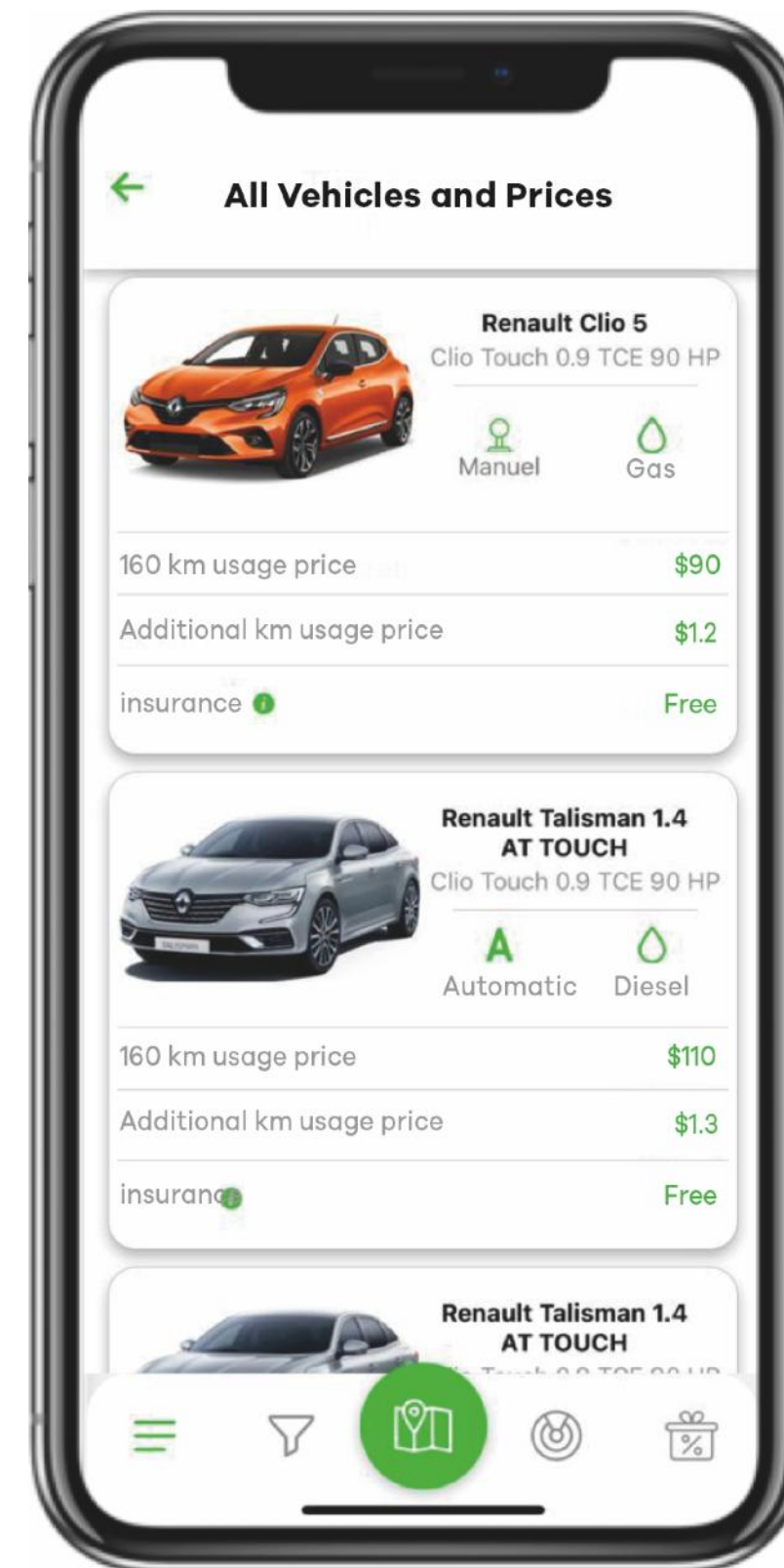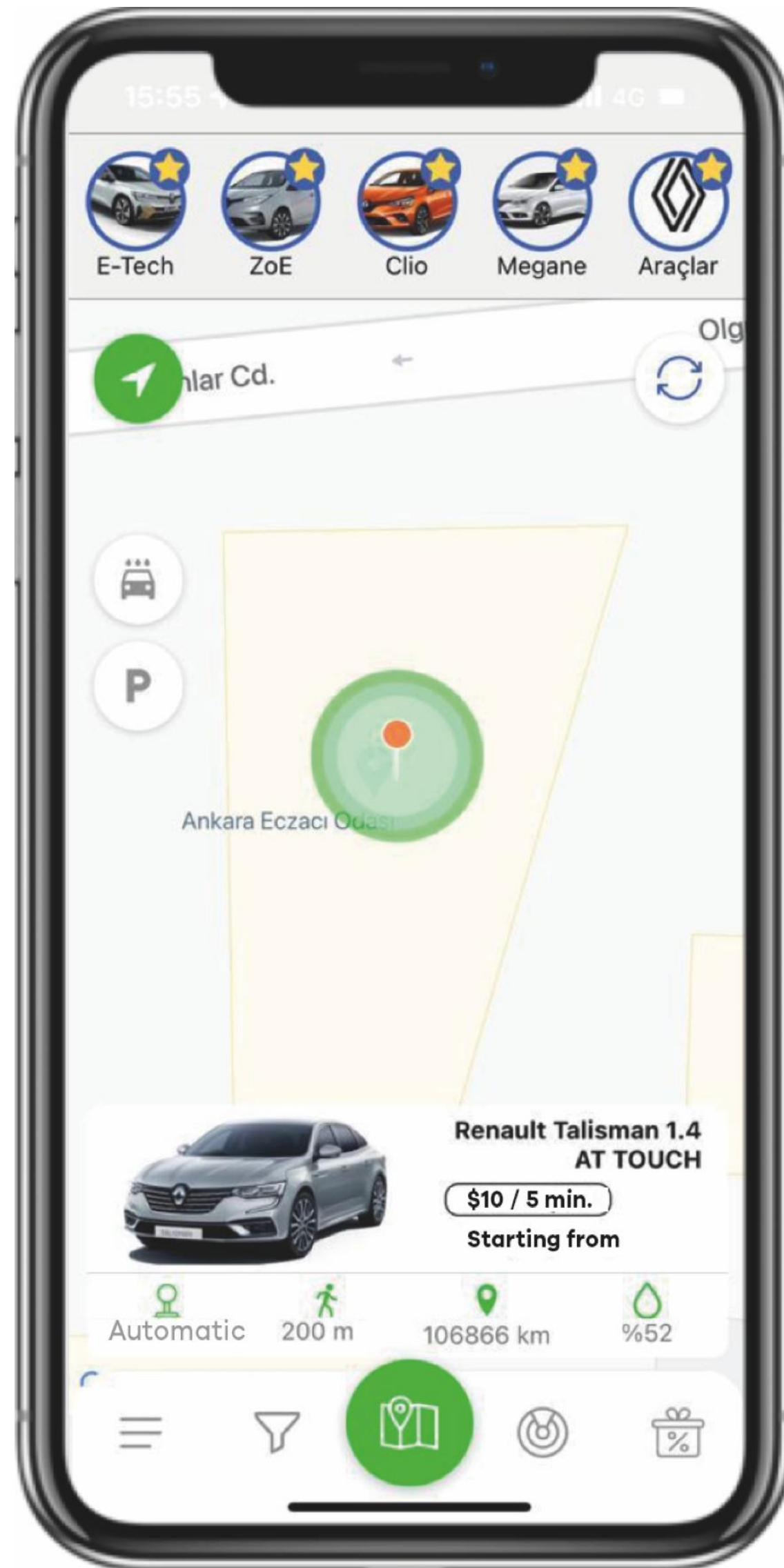
# Connected Car & Vehicle Telemetry Platform

By installing the equipment on the vehicles, the desired information from the vehicles such as parking location, average fuel consumption, speed information, brake pad usage status, etc. are obtained, Additionally, utilizing our latest technology, users can perform multiple functions that are done manually, via the mobile application. Some of these functions are: locking/unlocking the vehicle, starting/stopping the engine, turning on/off the air conditioner, opening/closing the windows, locating the vehicle and most importantly turning on/off the propriety patented anti-theft system. All these functions and much more are done remotely using our state of the art mobile app.

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Utilizing our connected car and telemetry infrastructure, we built a state of the car sharing platform. This platform can be used either as a market[place or can be licensed as white label to other companies. These companies can be rental car companies as well as fleet managers. Scope included Management and User consoles as well as IOS, Android and Huawei apps developed using React Native technologies.

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Users can easily rent desired cars by the hour or daily. Lock/Unlock, Start/Stop functions are performed through the app remotely. Users can find the cars by proximity or brand. Different pricing are given to different users by their driving patterns (good vs bad driver).

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# Our Clients



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# Get in Touch With Us

## LOCATIONS

MIAMI, FL/USA
ISTANBUL/TURKEY
ANKARA/TURKEY
SANTIAGO/CHILE
LIMA/PERU
BOGOTÁ/COLOMBIA
www.4alabs.io

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