AVR
EASY PARKING

Problem

- Getting the ticket in the parking lot is **difficult** and **inconvenient**
- Parking payment machines have **outdated payment method**
- People **don't know** the **current capacity** of different parking lots
- People **forget** where they **left the car**

Solution

- **Automate** entry/exit of the parking lot
- Pin the car **location**
- Show **how crowded** the parking lot is
- **Easier** payment

Product

A **system** as well as an integrated **mobile app** to:

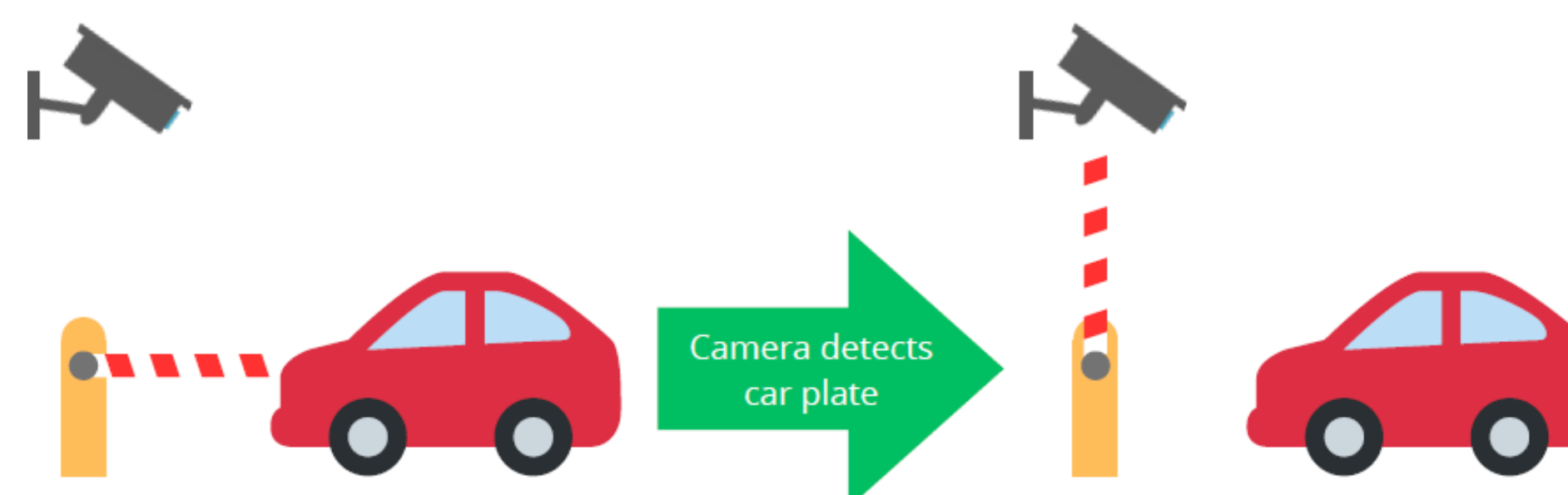| Be at ease	Save Time	Save Money
When entering/exiting the park	When heading to the car and when paying	When choosing the less crowded park

How it works
System

The **camera** detects the **car plate** and the gate **automatically opens**

Camera detects car plate

How it works
Mobile app

- Only one **sign up** away from using the service
- Check the parking lot **capacity available** before choosing a park
- The user will be **notified** when **entering / exiting** the park
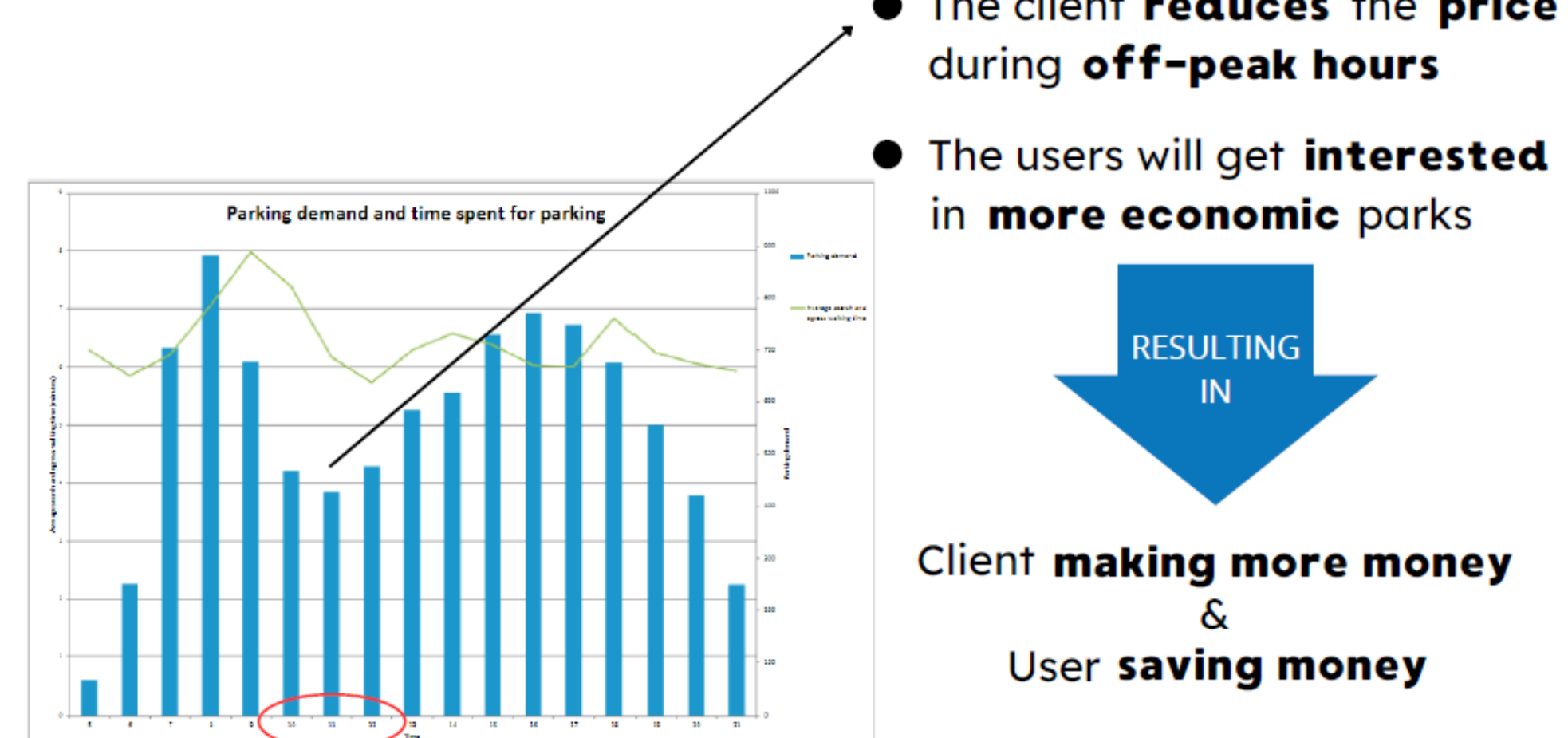
How it works
Mobile app

- **Pin the car location** to know exactly where it is
- In order to **leave** the park, the user must **confirm** it in the app
- Leave whenever you want to and **pay** with only **one click**

Target Clients

Parking managers who want to **maximize** their **income**:

- Know the **most frequent** users
- Know the daily **occupancy rate** of the park
- **Attract** more users

Client Benefits

- The client **reduces** the **price** during **off-peak hours**
- The users will get **interested** in **more economic** parks

RESULTING IN

Client **making more money**
&
User **saving money**

Parking demand and time spent for parking

Competitors

	AVR	Via Verde	Parkin	EMEL	Telpark
Automatic entry	✓	✓	✗	✗	✓
Easy payment method	✓	✓	✗	✓	✓
Tracks the car	✓	✗	✗	✗	✗
Mobile app	✓	✓	✗	✓	✓
Shows park capacity	✓	✗	✗	✗	✗

Future of AVR

- Integrate an automatic payment method
- Develop a parking spot reservation system
- Expand in the marketplace

Team

Alexandre Leal
Mobile App Developer

Miguel Reis
Team Manager
Image Processing Software Developer

Diogo Sampaio
Database Developer
Video Editor

Miguel Gaspar
Camera and Sensor Controller

João Zenário
Mobile App Designer
Pitch Deck/Poster Developer

Tomás Pacheco
Blog and Site Manager
Raspberry Pi's Box Developer

Links

Website
Blog
Video