Krap

Smart Parking 4 Smart Cities

The parking issue

106 days

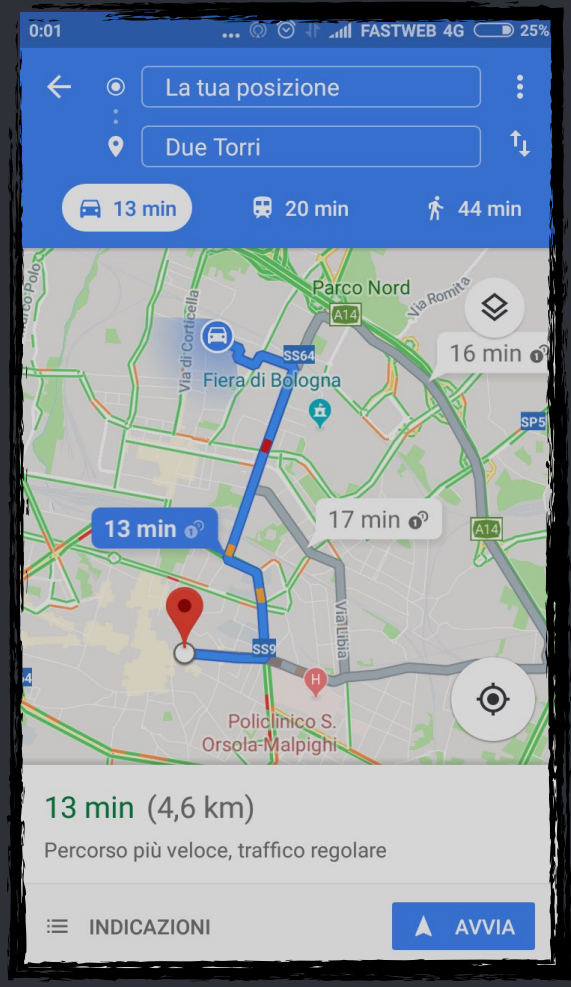
The average time a person wastes looking for a parking spot (2500 hours)

10%

Of the vehicles pollution is caused by the search for a parking spot

Parking time is currently not taken into account when choosing the best transport option

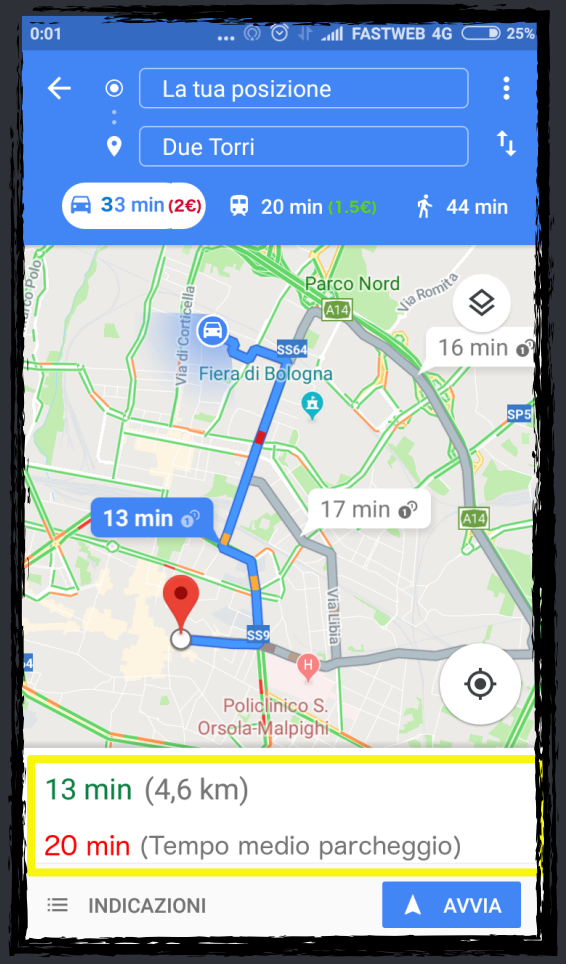
Example 1. Google maps



The best option

Car seems to be the best transport option but it does not consider Parking time, costs and Fuel consumed

Example 2. (Google maps with parking time and costs)



Is it really the best option?

Krap Smart Parking

Krap mission #1 parking time reduction

Parking time reduction

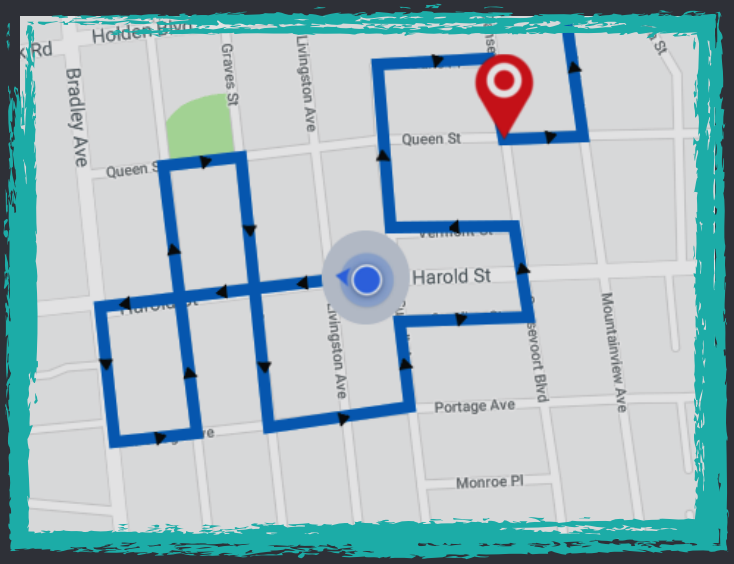
We collect **parking statistics** and create ad-hoc “parking itineraries” close to your destination

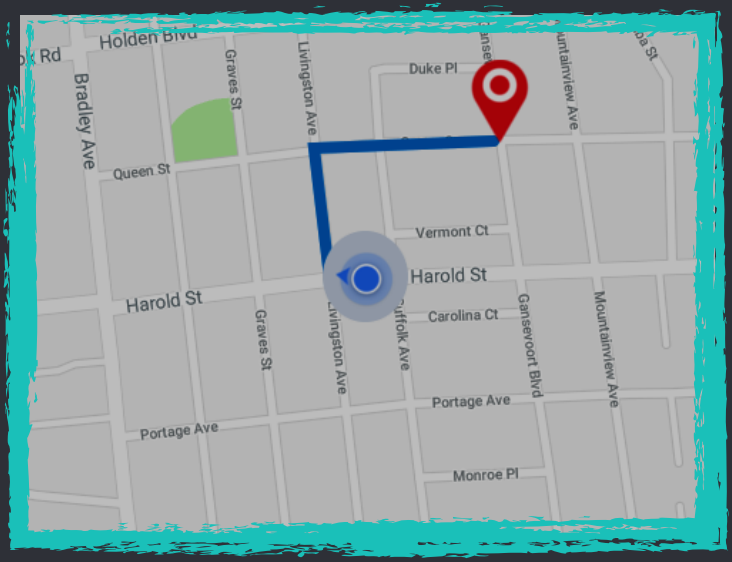
Our technology can *reduce parking time, traffic and pollution caused by vehicles looking for a parking lot.**

** 30% parking time reduction in our simulation environment*

The parking itinerary

Krap vs Google Maps





When you are close to your destination Krap creates a parking itinerary showing the streets with the **highest likelihood to park**

Krap mission #2 Car is not the best option

- Car is not the best option

Krap shows real-time parking time and spots availability of covered city areas

Giving people a better overview of costs and time of the different transport options

Krap mission #3 Urban integration

(avoid the parking nightmare)

- City integration

!! No more parking fines !!

Krap parking route does not consider roads with restricted access

Warn you if you park close to a residential area or in a street with scheduled cleaning

Krap allows you to pay in app any parking ticket in a click

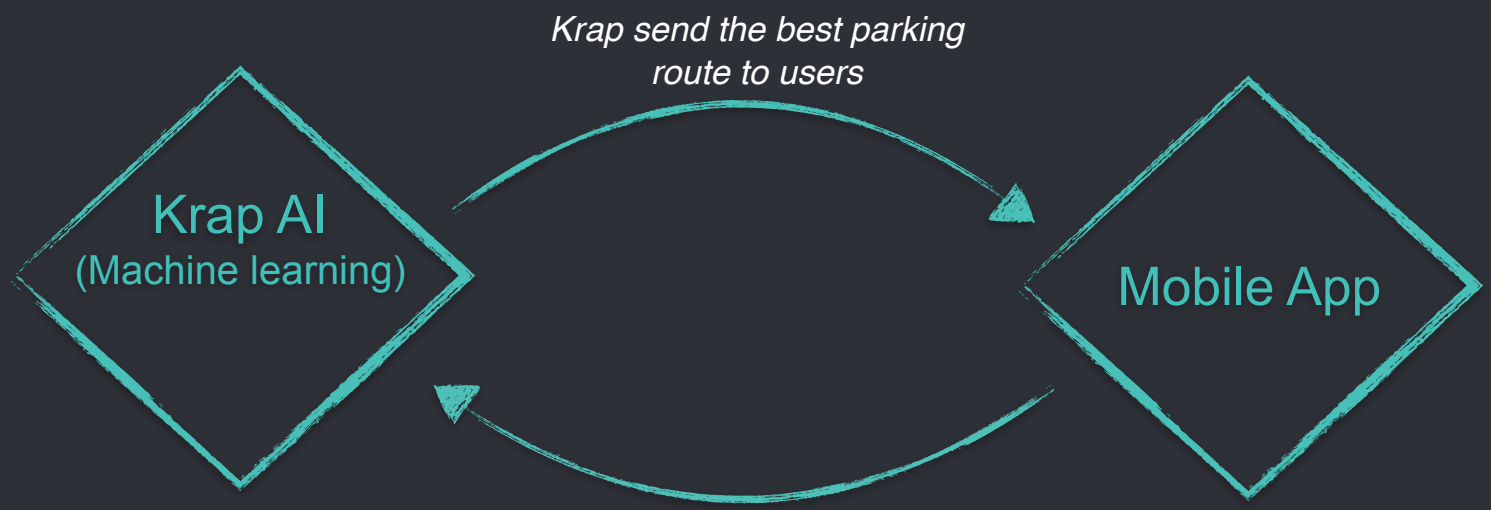
Krap Smart Parking Vision

SMART PARKING CAN REDUCE CAR USE AND POLLUTION

How it works

Krap in practice

Krap in practice



- ✓ Low-costs smart parking solution
- ✓ No sensor install
- ✓ No maintenance
- ✓ City integration

Krap AI - Machine Learning

1. Software approach

No parking sensor, no installation costs, no extra hardware! Every city can adopt krap

2. Initial training

We train Krap AI by collecting drone and camera data or by manual driving the interested areas

3. Machine learning

After the initial training The algorithm learn from drivers looking for a parking spot. Everyone using our app contributes to make Krap more accurate

4. Best Parking Route

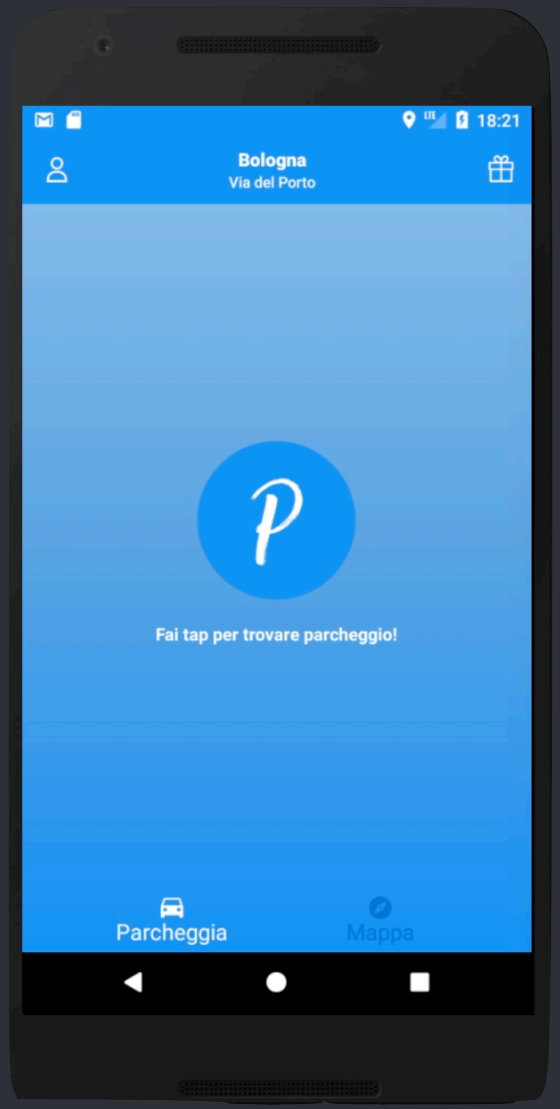
Based on data collected our AI creates an itinerary on the streets with the highest likelihood to park

- Krap AI - Initial training

100 *km of roads* = 160 *working hours*

We can cover all the road of Bologna city center in 4 weeks with a single car driver

Mobile App



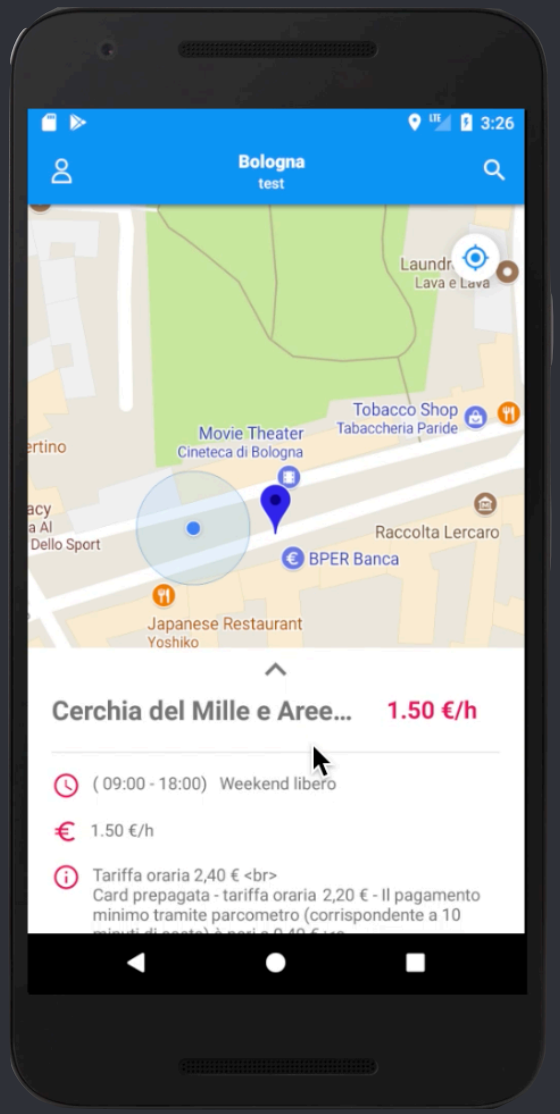
Park in a click

Just arrived at your destination and looking for a parking spot? Krap create your parking itinerary in a click

Navigation system

We built our custom navigation solution to drive people on the best parking route and be independent from other software solution

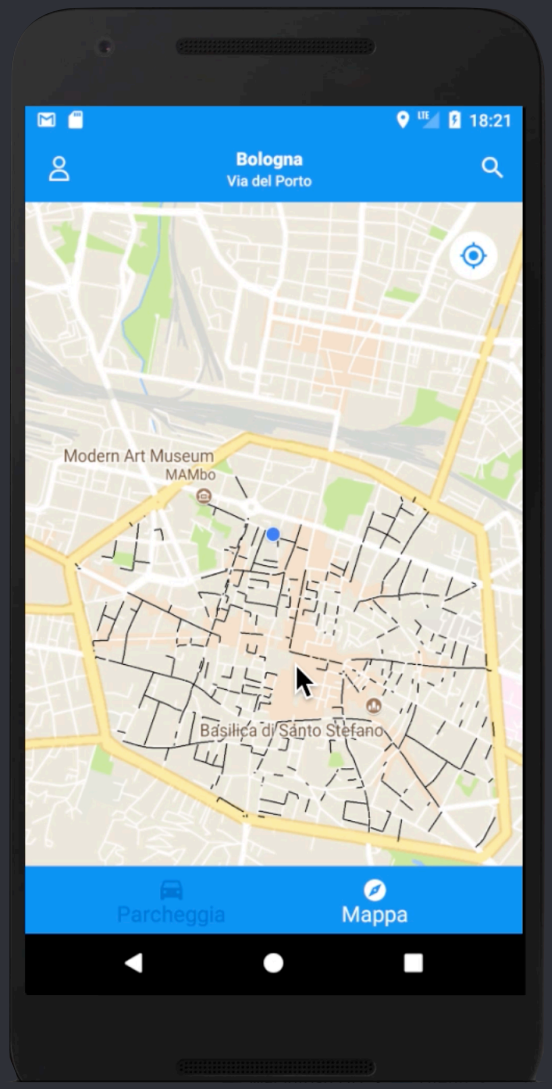
- Mobile App



Map browsing

Krap map browsing feature highlights average parking time, parking fee and time and any other useful info of your destination

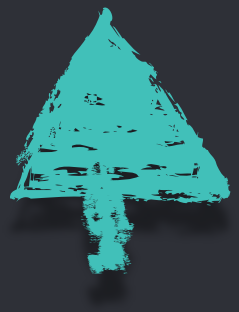
- Mobile App



Park in the right place

How many times people park in the wrong place and their car is removed? Krap focuses on restricted area, residential parking, road cleaning and maintenance of your city

• Krap benefits



- ✓ Low-costs smart parking solution
- ✓ No sensor install
- ✓ No maintenance
- ✓ City integration

- ✓ *Less traffic*
- ✓ *Less congestion*
- ✓ *CO2 reduction*
- ✓ *More liveable city*

What’s next?

Future developments

Mixed mobility

Mixed itinerary (car + bus)

Sometimes a mixed approach (car + bus) could be the best option to reach your destination. We want to integrate high rate parking area, bus stop, bike sharing to simplify your trip

Thanks!

ANY QUESTIONS?

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krap showcase videos