

Motorbike challenge.

Parking can make it



1. BARCELONA CONTEXT



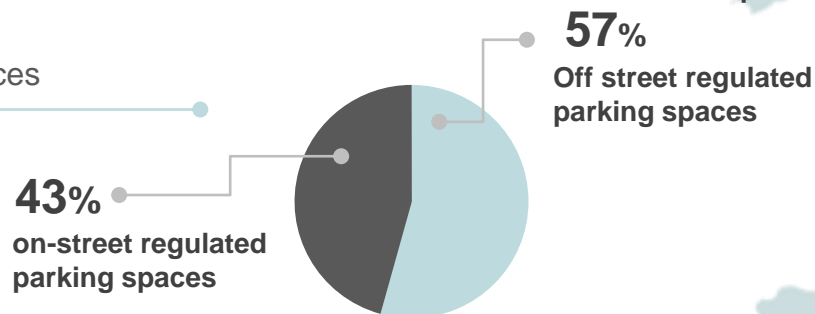
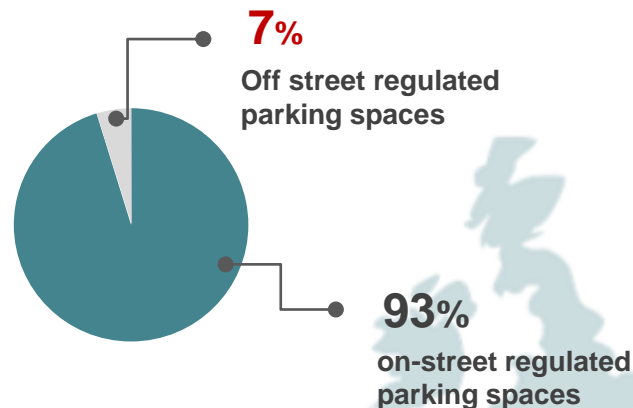
290.000 Motorbikes

69.140 parking spaces



630.000 Cars

261.328 parking spaces



It is necessary to **create** new supply in car parks !!

2. PROJECT DESCRIPTION

Barcelona has developed an **integrated management toolset** (IMT), to **improve quality of urban space** by acting in on-street and off-street car parks.

01

Regulate and control motorbike on-street parking spaces

- Sort on-street motorbike parking by equating the space occupied by motorcycles and cars on the street, due to the stress generated by the limited space.

02

Increase the use of off street car parks

- Boosting the use of off street car parks by increasing the availability of parking spaces for motorcycles with competitive rates.



2. PROJECT DESCRIPTION: ON-STREET



Resizing of the on-street parking supply for motorbikes



Relocating motorbike parking spaces in areas with poor visibility



Restricting parking on sidewalks



Increased enforcement

2. PROJECT DESCRIPTION: OFF-STREET



New supply for motorbikes in the off street car parks



Attractive tariffs for rotation and for subscriptions



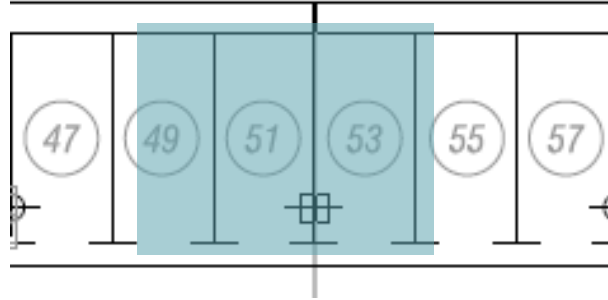
Coordination with other operators



Transformation of narrow spaces to motorbike spaces

2. PROJECT DESCRIPTION: OFF STREET SOLUTION

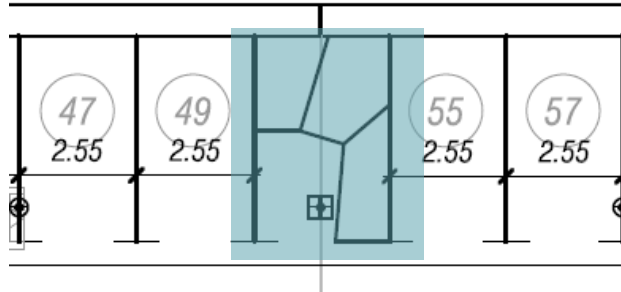
Distribution of narrow spaces before transformation



40 spaces **useless**

- Because of **narrow spaces** between columns at rough hours

Distribution after transformation



Wider spaces for wider cars

- From 2,20m to 2,55m

Recovery of 10 useless spaces

- Average occupation has **improved in +10%**



3. MAIN GOALS & BENEFITS PURSUED

- ▶ **To balance the distribution of the on-street public space**
- ▶ **To create and occupy off street car parks for motorbikes**
- ▶ **To increase sidewalk public space in the city**
- ▶ **To reduce the impact and risk on pedestrian spaces**
- ▶ **To improve air quality (promotion of public transport)**
- ▶ **Integrated management strategy for parking: parking as the key tool for mobility challenges**
- ▶ **Sustainable mobility solution scalable to small devices of private transport.**

4. SCOPE OF THE PROJECT



Supply B:SM parking space

- **1.619** motorbike spaces between rotation and subscriptions
- 44 car parks with specific rates for motorbikes
- 1 car park dedicated only for motorbikes 171 spaces



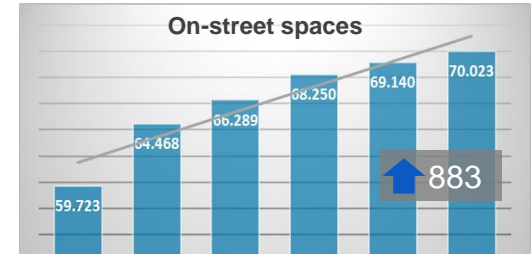
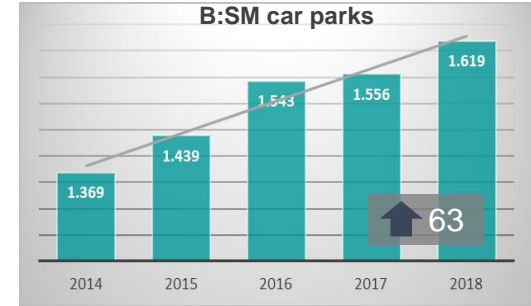
Demand B:SM car parks

- **1.500** subscriptions in 2018
- **30.000** hours of motorbike rotation

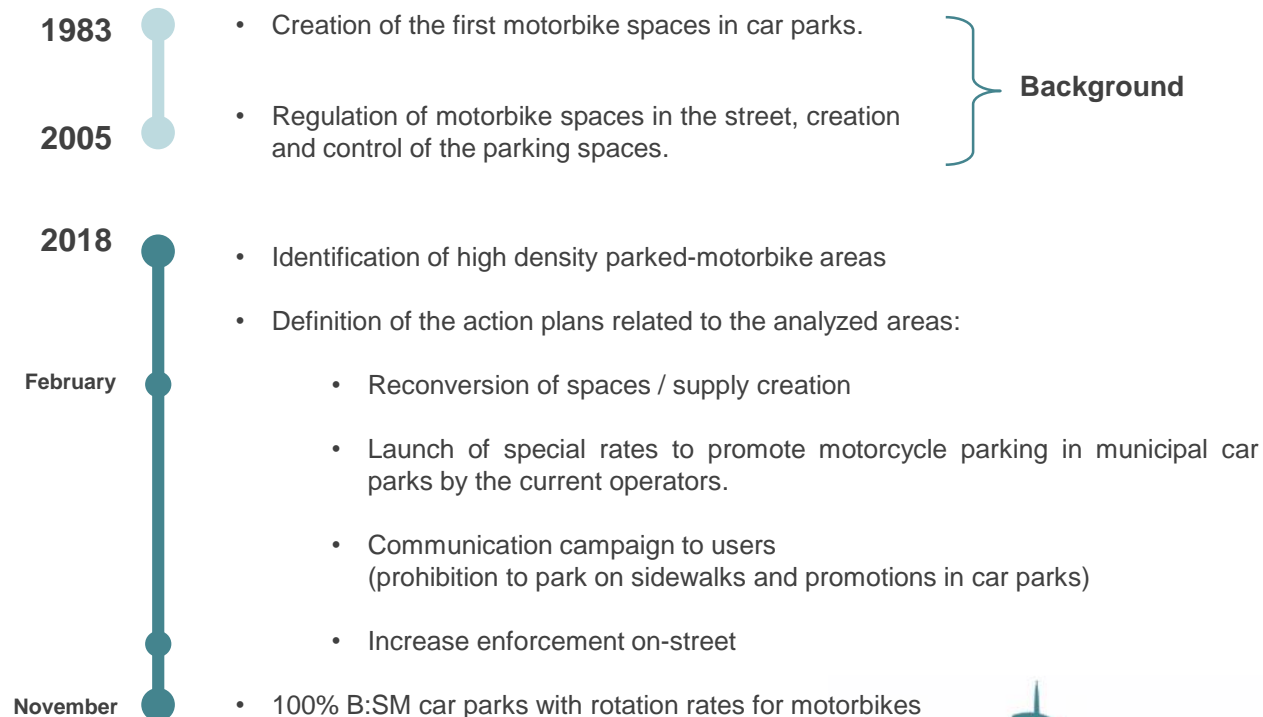


on-street actions

- 883 new spaces for motorbikes
- 10 areas with pedestrian streets free of motorbikes parked in sidewalks (at least 1Km per each area)



5. PROJECT TIMELINE





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