

Smart City Logistics – The Smart Delivery Network



Smart concept on Pick-up point terminals



Last mile route optimiser with patented SMS communication tool

Smart City Solution Seminar, Budapest

2.02.2020

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Trends behind.....



Smartmile Concept: Open & shared network



- Smartmile connects automated parcel terminals to any online shopper, courier and retailer through an open and shared network
- Convenient, efficient and sustainable
- Works with any parcel terminal hardware

Contracted Retail partners



Kesko
900 stores in FI



185 stores in FI
430 stores in NL
>10.000 stores in Europe



400 stores in DE
>1.000 stores in Europe



delivering smartphones in
Smartmile network

Contracted Courier partners, delivering directly into APTs



K-supermarket Tuusula, Finland

Achivement



48 machines in 6 countries

Competitive advantages



Consumers

Pick up, return and send all your parcels from one location



Couriers

Save time and cut down costs, enabling more delivered parcels



Stores

Create a unique customer experience and gain more customer traffic



Cities

Reduce traffic and pollution, offering more services to their inhabitants

Key elements / benefits

Open and shared network

More efficient and sustainable solution, connecting couriers and retailers to customers.

Consumer-driven service

Loyal and long-lasting customer base.

Ready to scale

Proven concept, extensive partner network and a motivated team

Combining best technologies

Smartmile's software is adaptable to any hardware.

Delivering benefits to all stakeholders

Connecting consumers, couriers, online stores, retailers and cities.

Most passionate team

Unique talents ready to revolutionize the last mile delivery.

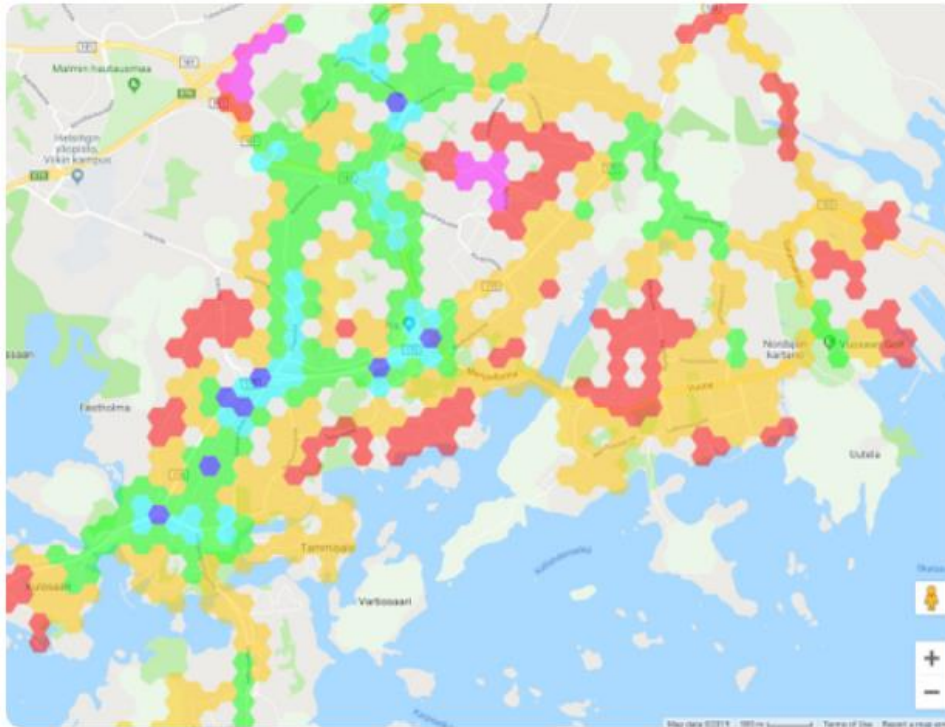


Last Mile Route Optimizer

Intelligent routes using customer dialogue

BookIT

Facts



Cost heat map: Blue = low cost Red = high cost

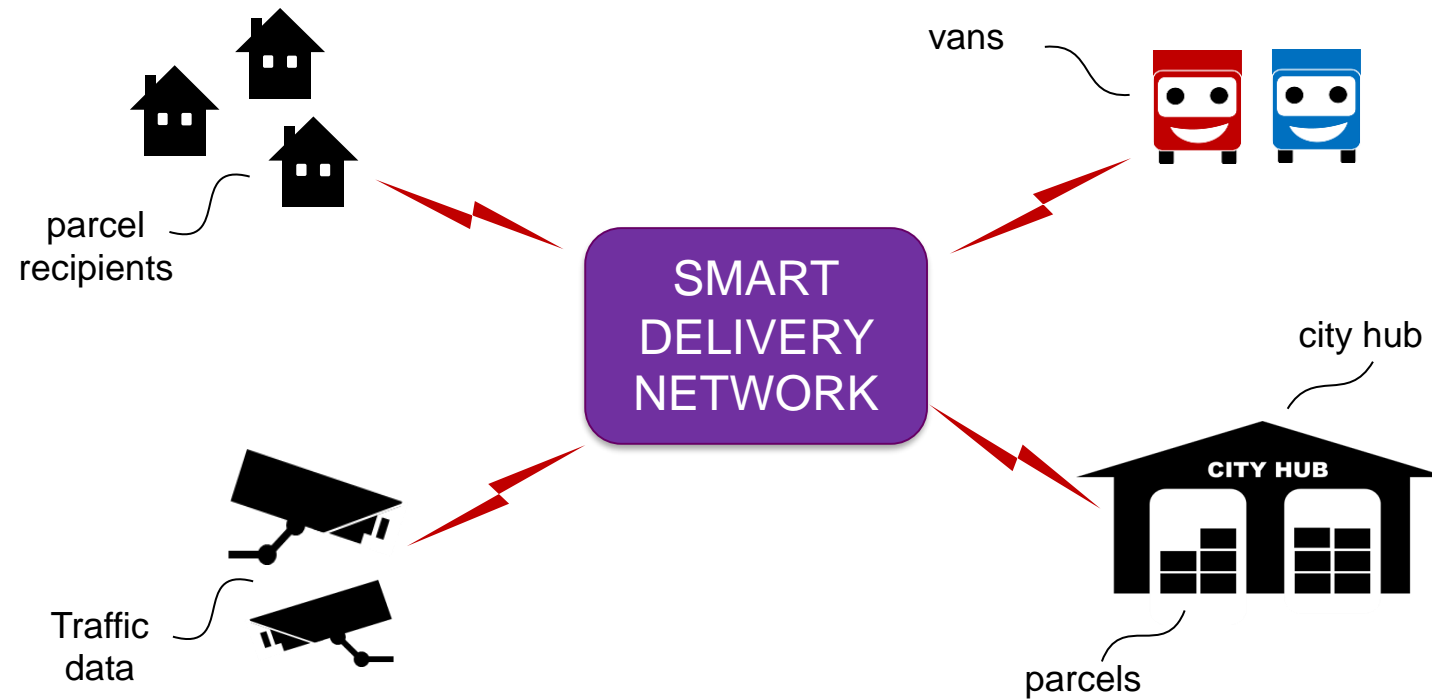
- Bad customer experience and delivery performance
- Not optimized static delivery time slots and pricing
- Not optimized costs
- Lost and unutilised capacities

Achievements



The Big Picture

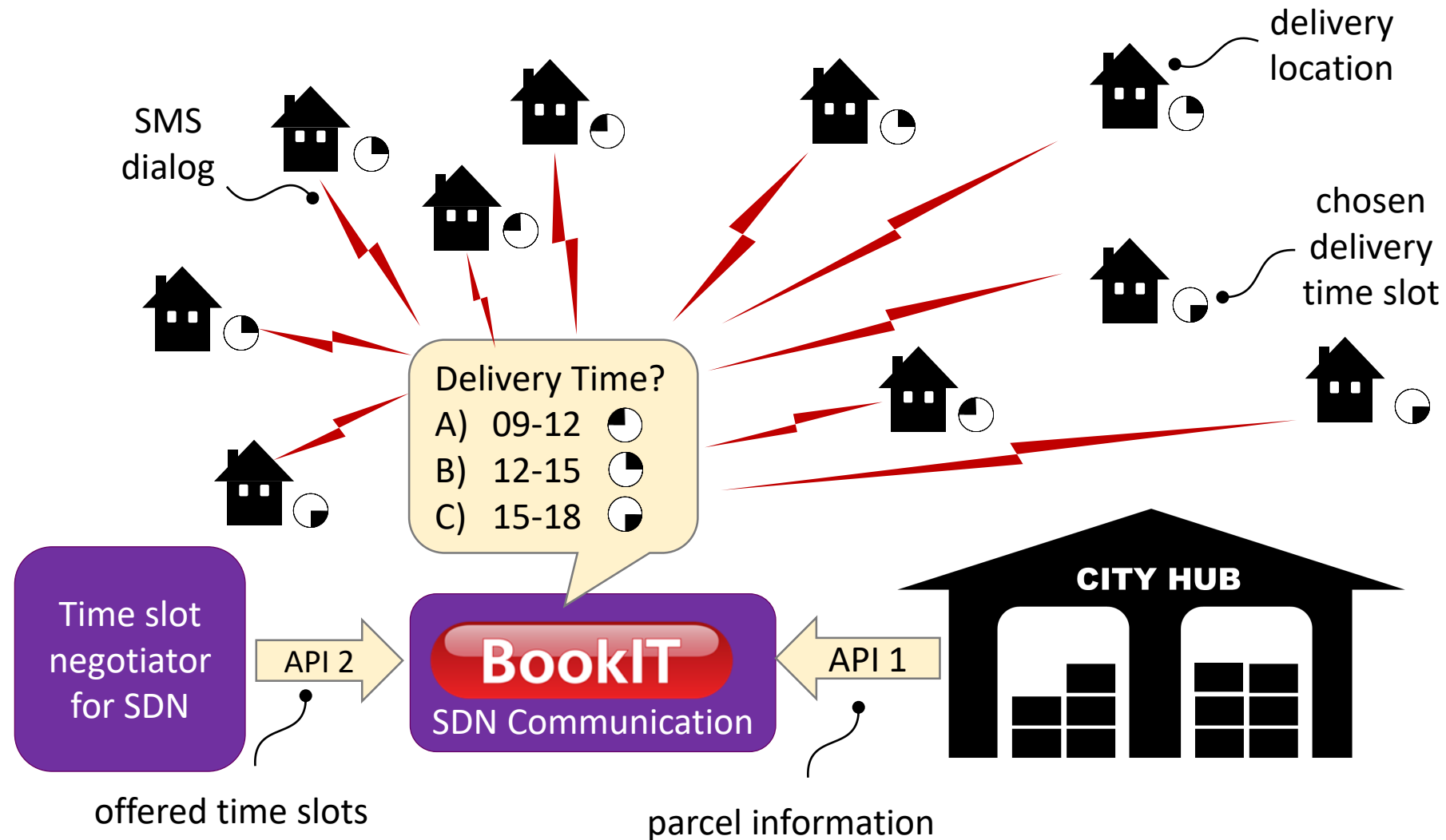
A new way to deliver parcels



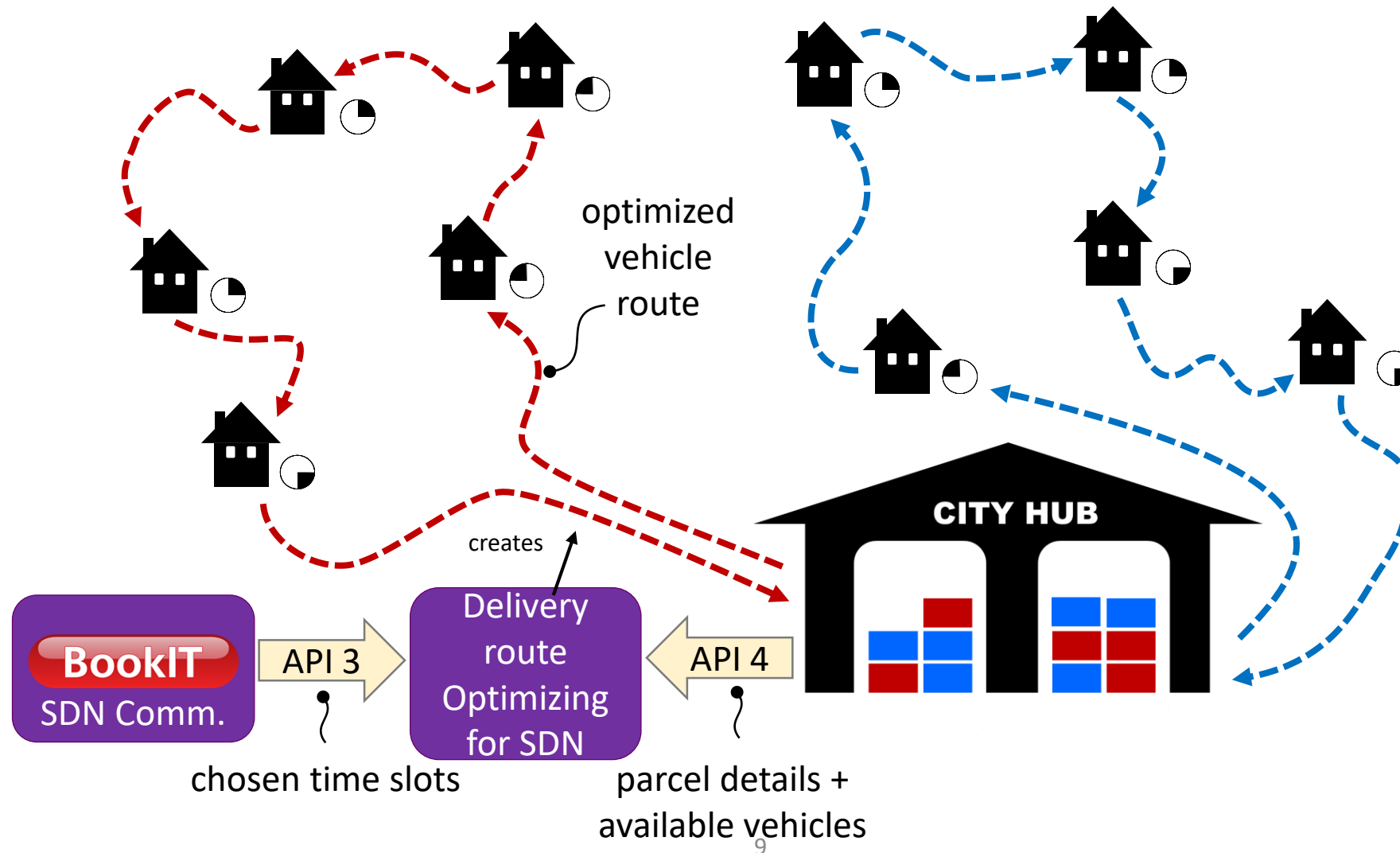
1. Parcels arriving to the City Hub (Delivery terminal)



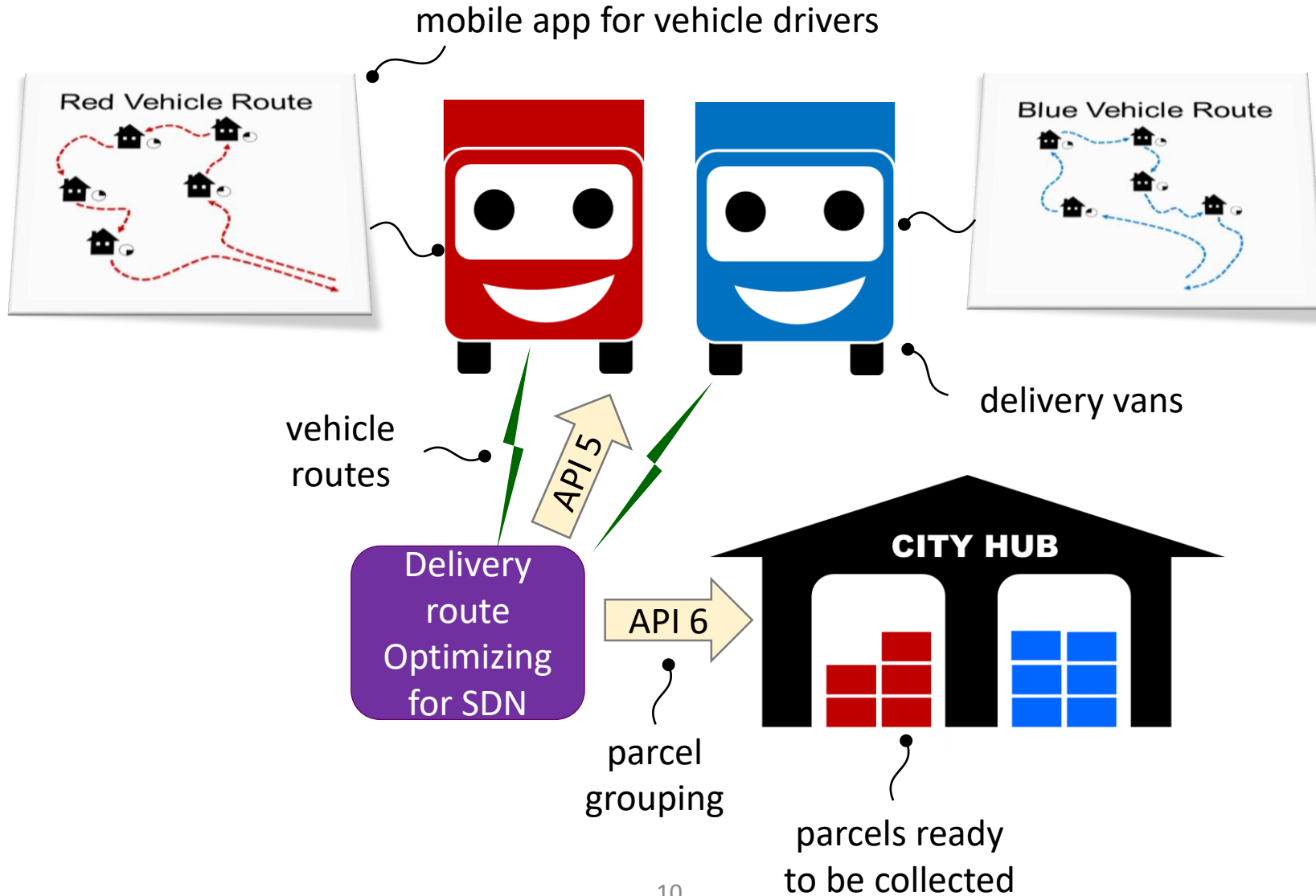
2. Choosing delivery time slots – patented SMS communication tool



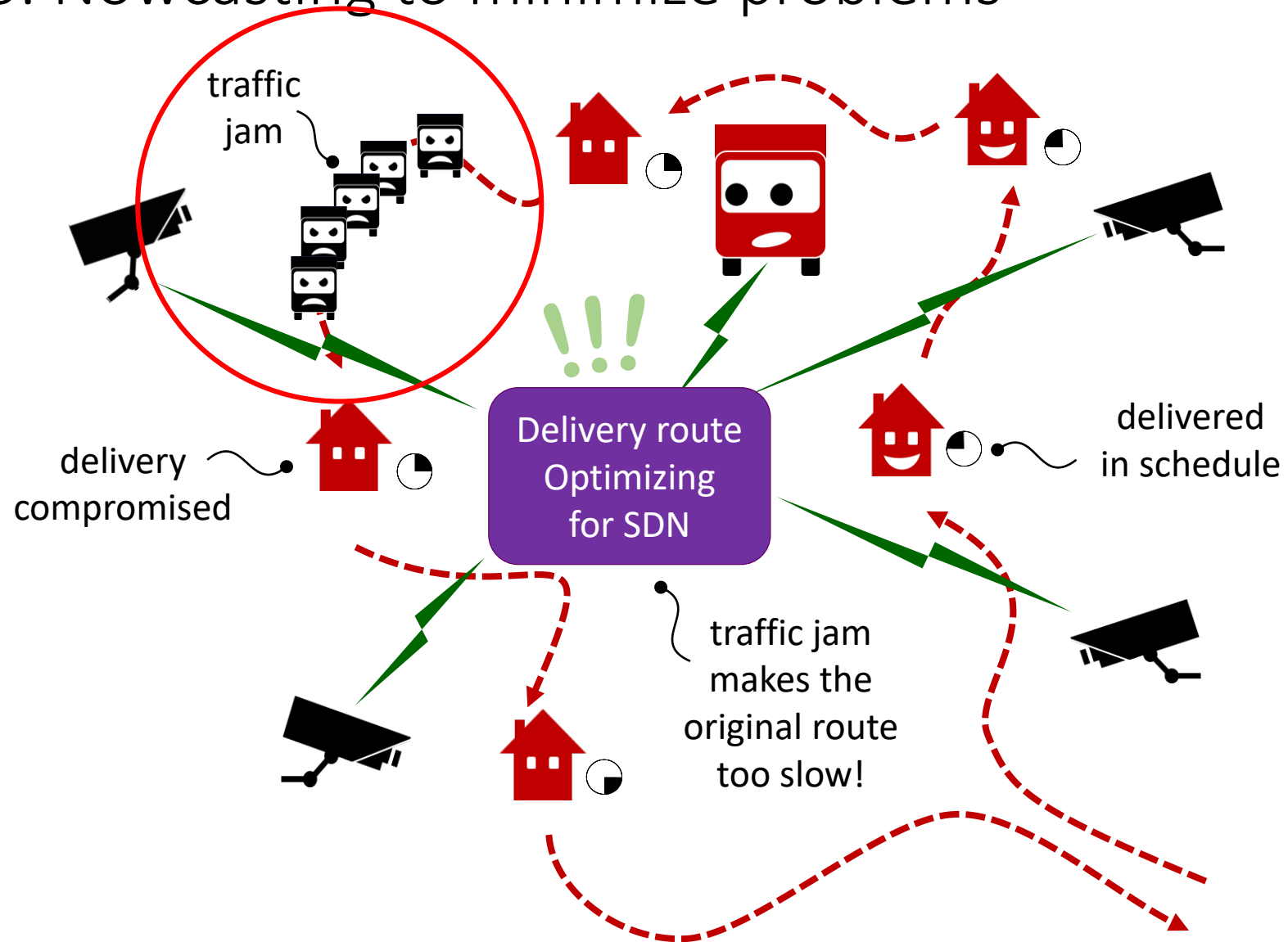
3. Optimizing delivery routes



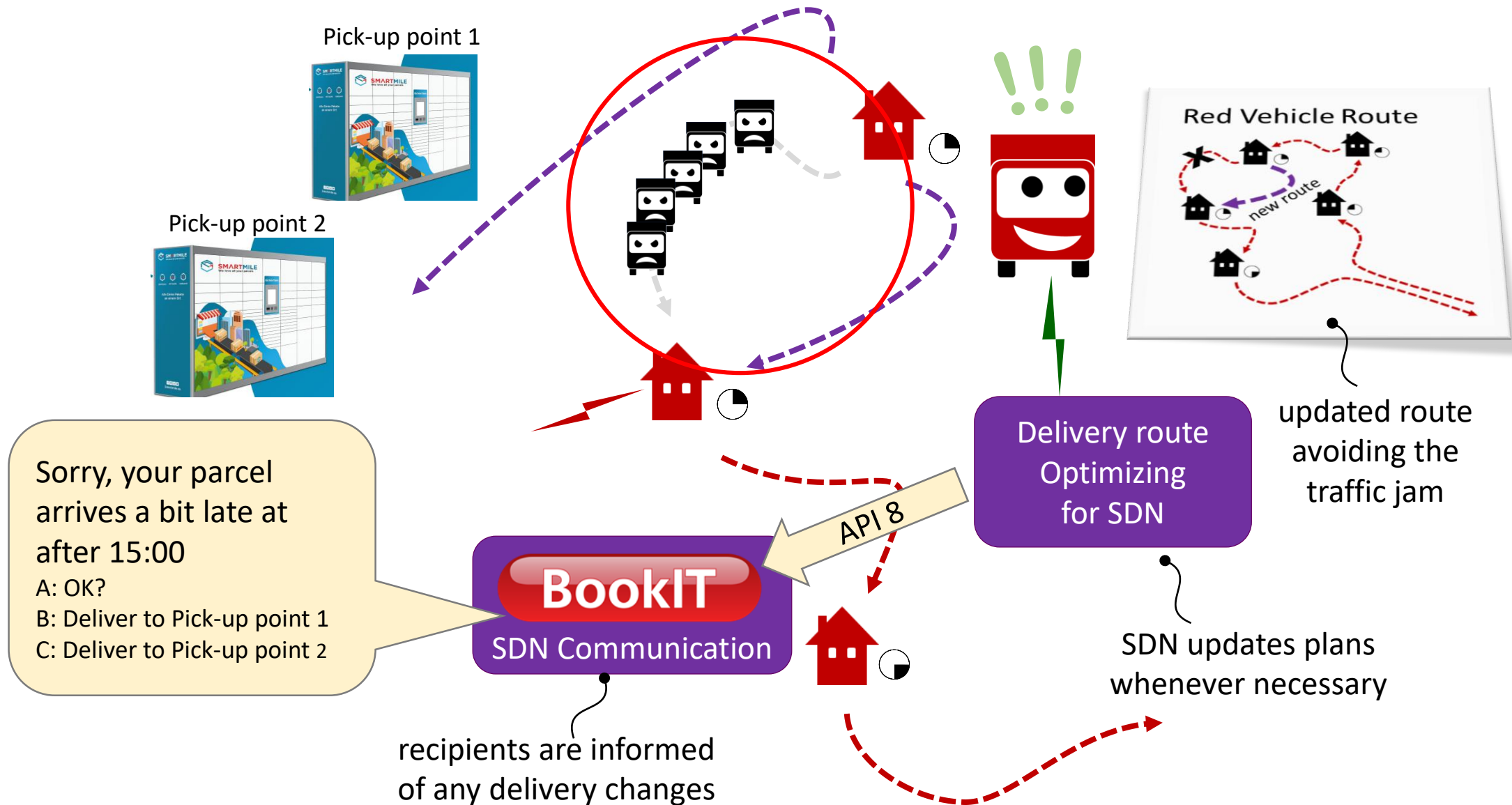
4. Delivery preparations



5. Nowcasting to minimize problems



6. Re-optimizing routes





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Sum up

- Efficient business model with less failed deliveries and cost-savings
- Environmental friendly operation: less driven kilometres and better utilised carrying capacities
- Open platform for multi-players: common usability among couriers – retailers –customers
- In line with new consumer trends: growing network of pick-up points

Köszönöm



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Smart City First and Last Mile Delivery Network

BookIT

A new way to deliver parcels

SDN solution offers efficient, environment-friendly and precise delivery of **PARCELS** from the **CITY HUB** to **RECIPIENTS** with **VANS** following **ROUTES** optimized with the assistance of **REAL TIME TRAFFIC DATA**.

The SDN solution includes the following:



Web User Interfaces

- easy to use tool to optimize fleet management and delivery routes thus improving operation and diminishing costs
- user friendly GUI to set the parameters for the optimization
- user friendly GUI of control/dispatch room to monitor the statuses of parcels in delivery



Integration Interface

- to enable integration to other systems such as parcel data
- to receive Nowcasted real-time updates in traffic and other operating environment related sensor data to find most suitable delivery routes



Environmental savings calculation model

calculation of savings achieved by the operator when updating his fleet to environmentally friendly vans (proved in pilot phase).



Communication with parcel recipient

Method and means for direct and safe communication

- to offer to the parcel recipient the opportunity to choose the most convenient delivery time slot
- to guide decision making using incentives & rewards.



Mobile User Interface for van Drivers

user friendly GUI in a mobile device to guide delivery van drivers in

- a. packing parcels in an optimal order considering the delivery (in a form of printed packing list of parcels per van or mobile device GUI)
- b. driving and navigating routes plus updating the route dynamically according to traffic information and delivery needs
- c. delivering/handing the parcel (point of delivery actions)