DATA FROM SKY

Traffic monitoring UAV

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Trafficlab (DataFromSky partner)

Who are we?

PROGECTO LAB
studio associato di progettazione integrata

TRAFFICLAB

VYSOKÉ UČENÍ TECHNICKÉ V BRNĚ
FAST
FAKULTA STAVEBNÍ

RCE SYSTEMS

DATA FROM SKY

3 key points

1. Current traffic monitoring systems
2. DataFromSky **project**
3. Application & development

Current traffic monitoring systems

On site

On board

…On air

Which data?

On site

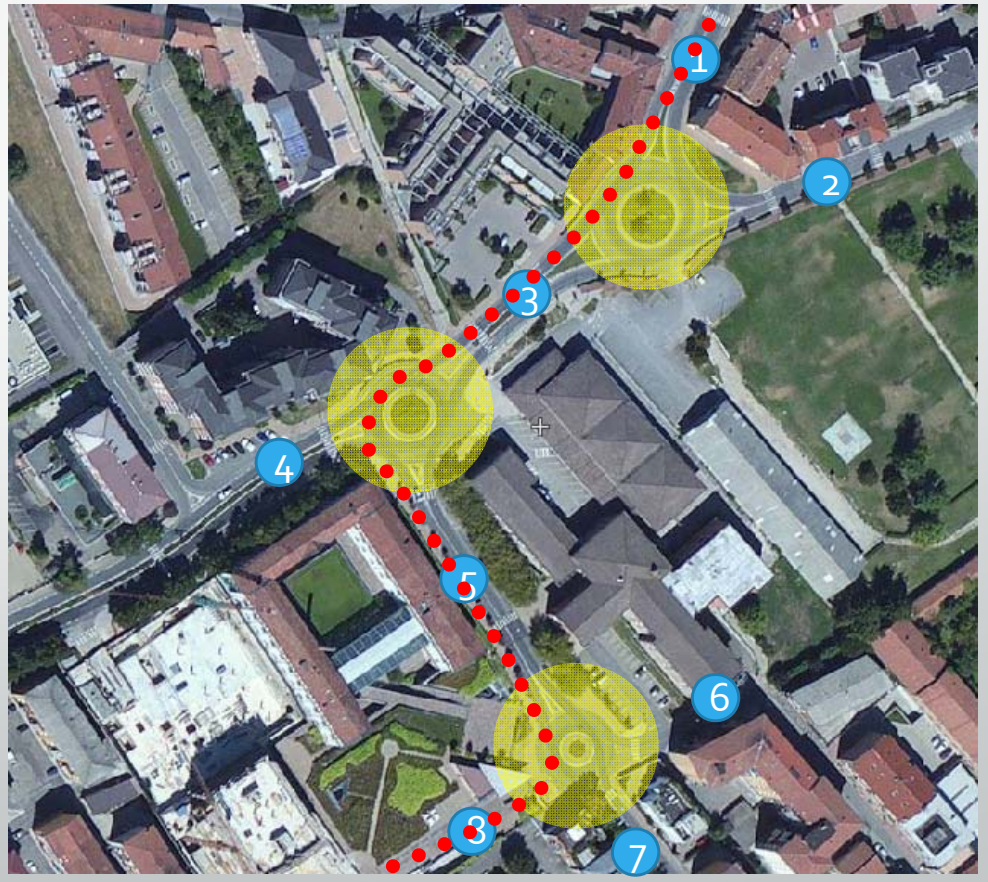
- Count and classify vehicles
- Speed
- Headway

On board

- Position and tracking

Instead of the old point of view…

a new and different vision

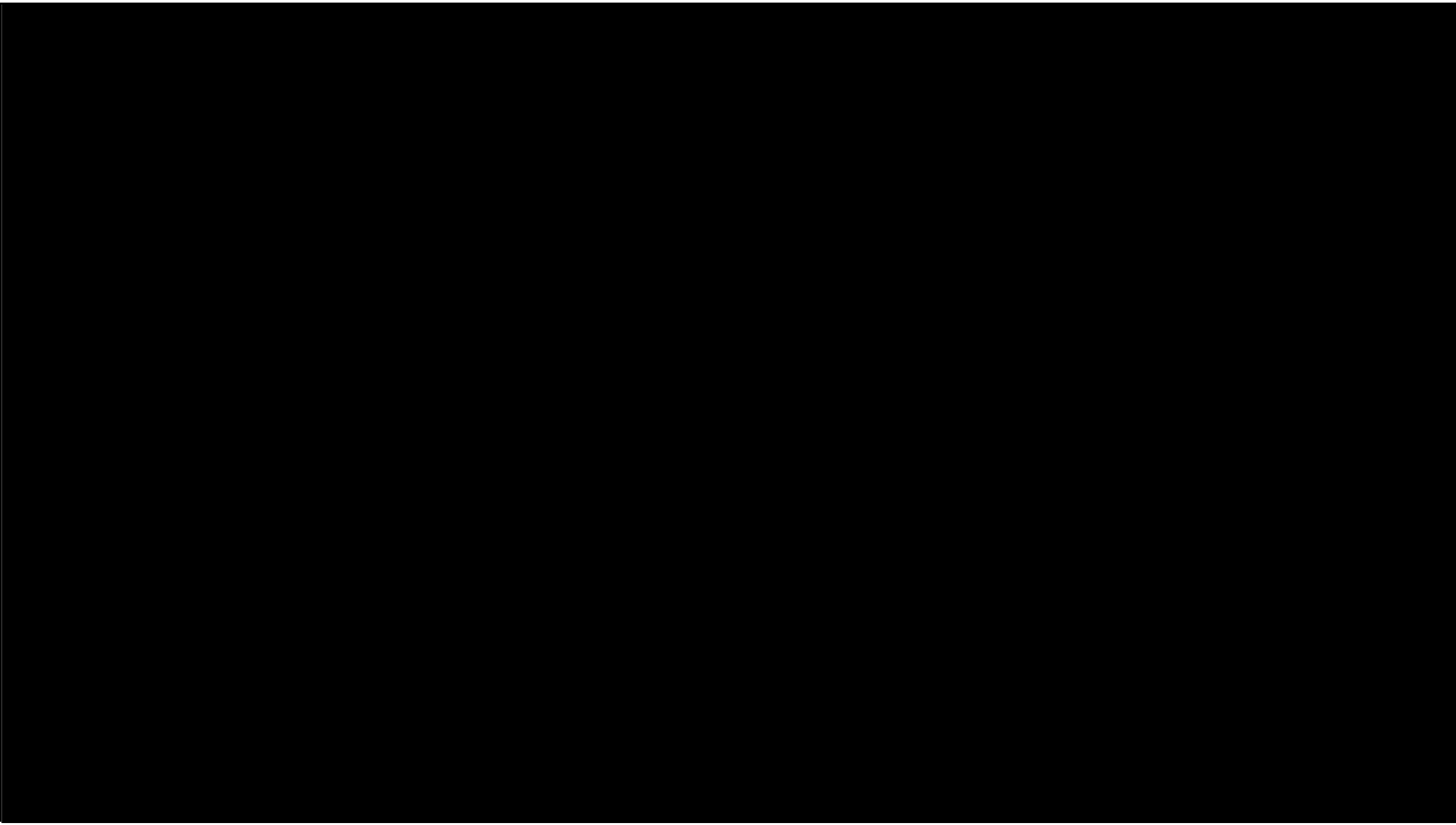


Which value will be detect?

- Counting, classify **O/D matrixs**
- **Trajectories**
- Speed, acceleration, deceleration (current and mean)
- **Time**
- **Distance**
- **Video analysis**

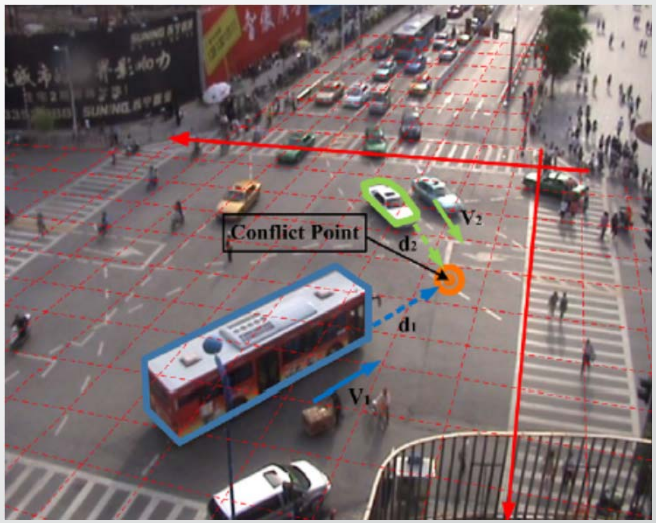
Our **project** has born:

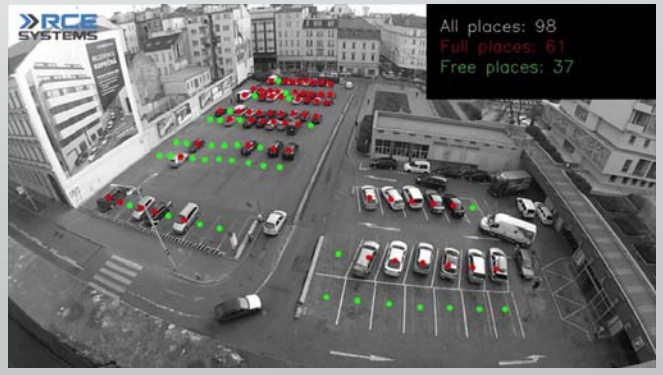
DATA FROM SKY



DataFromSky: applications

- **Advanced design**
- **Innovative Traffic Monitoring**
- Road accident conflict analysis
- Parking monitoring
- **Road accident** monitoring
- Emergency events
- **Surveillance and security**
- **Queues analysis**
- Implementing Traffic modelling
- **Road traffic forecast**





DataFromSky: customers

- Public Administration
- Traffic centers
- Road authorities
- Engineers
- Big traffic attractor
- Insurance

DataFromSky: next steps

- Nov 2014 -> test big area (30 ha)
- Dec 2014/ Gen 2015-> New release
- Spring 2015 -> Implementing new UAV device **(up to 2 hours flying)**
- Summer 2015-> New algorithms **(for video captured up to 10 m)**

Contacts

SmartMobilityForum 12/ 13 november (Desk Start-up)

www.datafromsky.com

vimeo.com/datafromsky

www.trafficlab.eu

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