SIMPLE TRANSPORT SOLUTIONS FOR SMART CITIES

Looking for strategic partner

1974

FIRST "SMART CITY" PROJECT

1994

AMSTERDAM - FIRST "SMART CITY"

IT'S 2021 – WHERE ARE MASSIVE SMART CITY SOLUTIONS DEPLOYMENT?

MEANWHILE TRANSPORT PROBLEMS AGGRAVATE

547 years

Lost time per 30 minutes trip

4 100 000

Metric tonnes CO2 emission

due to traffic congesstions

WHY THERE ARE SO LITTLE NUMBER OF SMART CITIES?

Photo by Celine Lityo on Unsplash

UNSMART CITIES

COMPLEX

3-5 stakeholders
10+ integrations

existing infrastructure replacement

EXPENSIVE

$30 mil - cost of ATCS deployment

LINGERING

3-5 years - average project time

UNSMART CITIES

COMPLEX   EXPENSIVE   STAGGERING

3-5 stakeholders

10+ integrators

$30 mil cost of existing deployment

3-5 years - average project time

existing infrastructure replacement

THERE IS A BETTER WAY

Photo by Joshua Fuller on Unsplash

Photo by imgix on Unsplash

Photo by Christina @ wocintechchat.com on Unsplash

SMARTER INFRASTRUCTURE

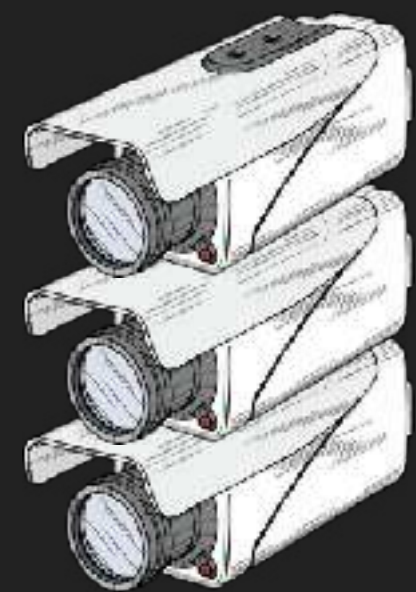We digitise transport flow in real-time on existing infrastructure

Informed decisions

TRAFFIC MANAGEMENT CENTER

ATCS

SMART CROSSWALK

SMART TRAFFIC LIGHT

V2X / I2V

EDGE Vision

No Internet connection required

AI-BASED TRANSPORT SENSOR

API

Any IP-camera

"Raw" data

Transport flow data, incidents and accidents events

"CONSTRUCT" YOUR SMART CITY

▸ Ability to launch system locally on any intersection

▸ Flawless integration with TMC or ATCS operating in the city

▸ Integration into single smart intersection management system*

▸ AI based traffic lights optimization*

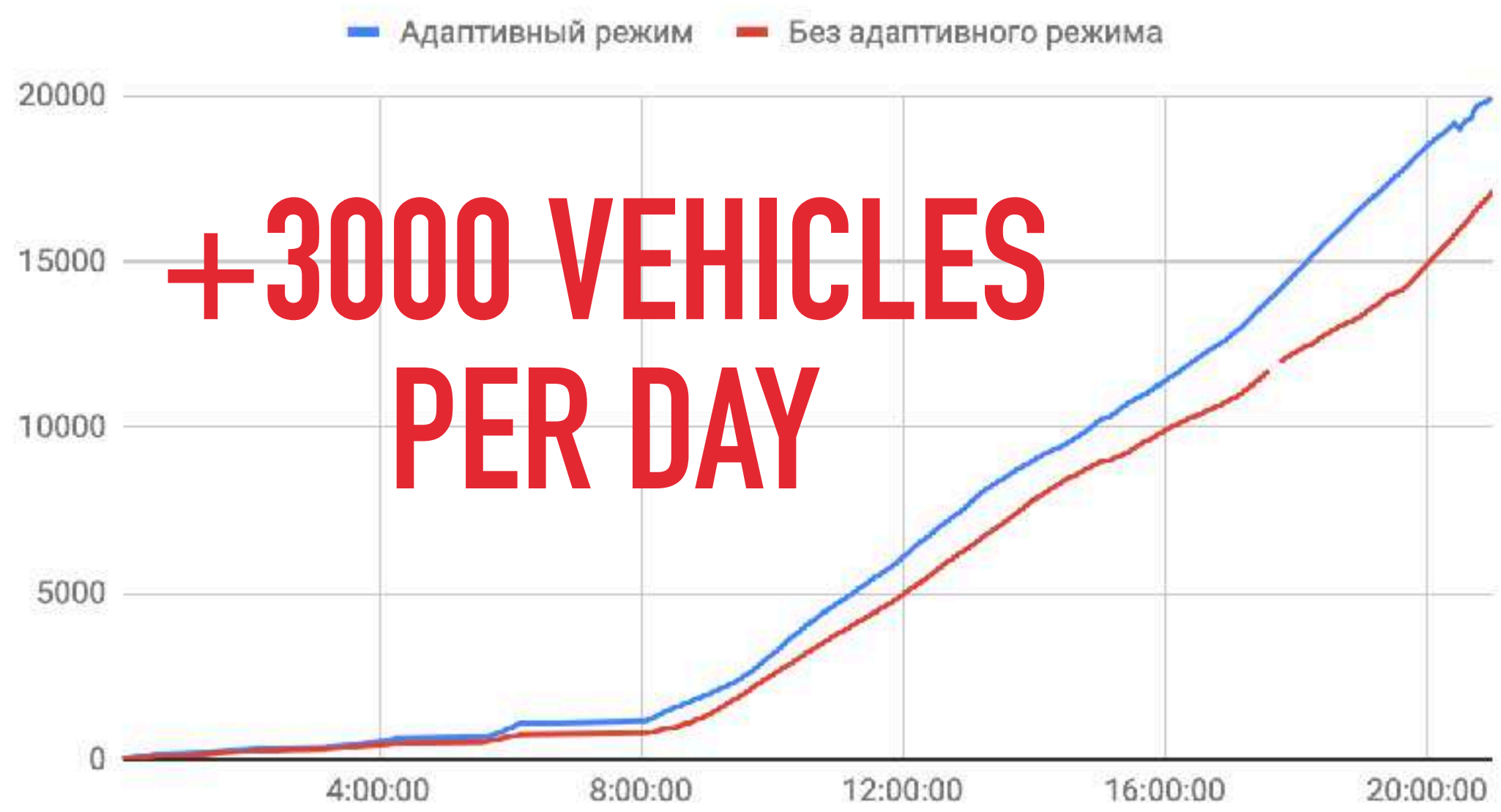* – next phase of solution development

CITY IQ

+3000 VEHICLES PER DAY

LOCAL ADAPTIVE TRAFFIC LIGHT IN KRASNODAR REGION

"SMART INTERSECTION" WITHOUT CENTRAL ATCS

ROADMAP

VC funded

2022

Mobility as a Service
- **I2V** / **V2X** distributed sensors
- SaaS access to traffic data
- AV ready assistant on road intersections and parking lots

2021

- Intel IOT Alliance partner
- International partnerships (ERTICO, ITSA, ITS UK)
- ERTICO TM2.0 collaboration

Collaboration with Intel

Activities
- Focus on international market
- Transition to SaaS model
- ITS Universities collaboration
- Moscow transport innovation accelerator
- 6 pilot projects
- 4 commercial contracts

2020

Business development
- 5 clients (100 licenses sold)
- 2 pilot projects
- 3 international university partners
  - Innopolis University 🇷🇺
  - Leeds University 🇬🇧
  - Berkeley University 🇺🇸

2019

Completed
- Smart Traffic Light
- Smart Parking
- Comprehensive incidents detection (including car crash)
- ROSDORNII accelerator

Company established

100+
Systems in production

4+ years
Experience in computer vision systems

ROSDORNII
Federal Highway Agency accelerator finalist

Moscow Transport Innovation
Accelerator finalist

Edge Vision team

4 software engineers
4 R&D engineers

CEO – Vyacheslav Lukin
CIO – Stepan Nikiforov
CBDO – Andrey Star
CSO – Dmitry Ivanov

Yaroslav Kholodov

Associate Professor
Institute of Data Science and Artificial Intelligence
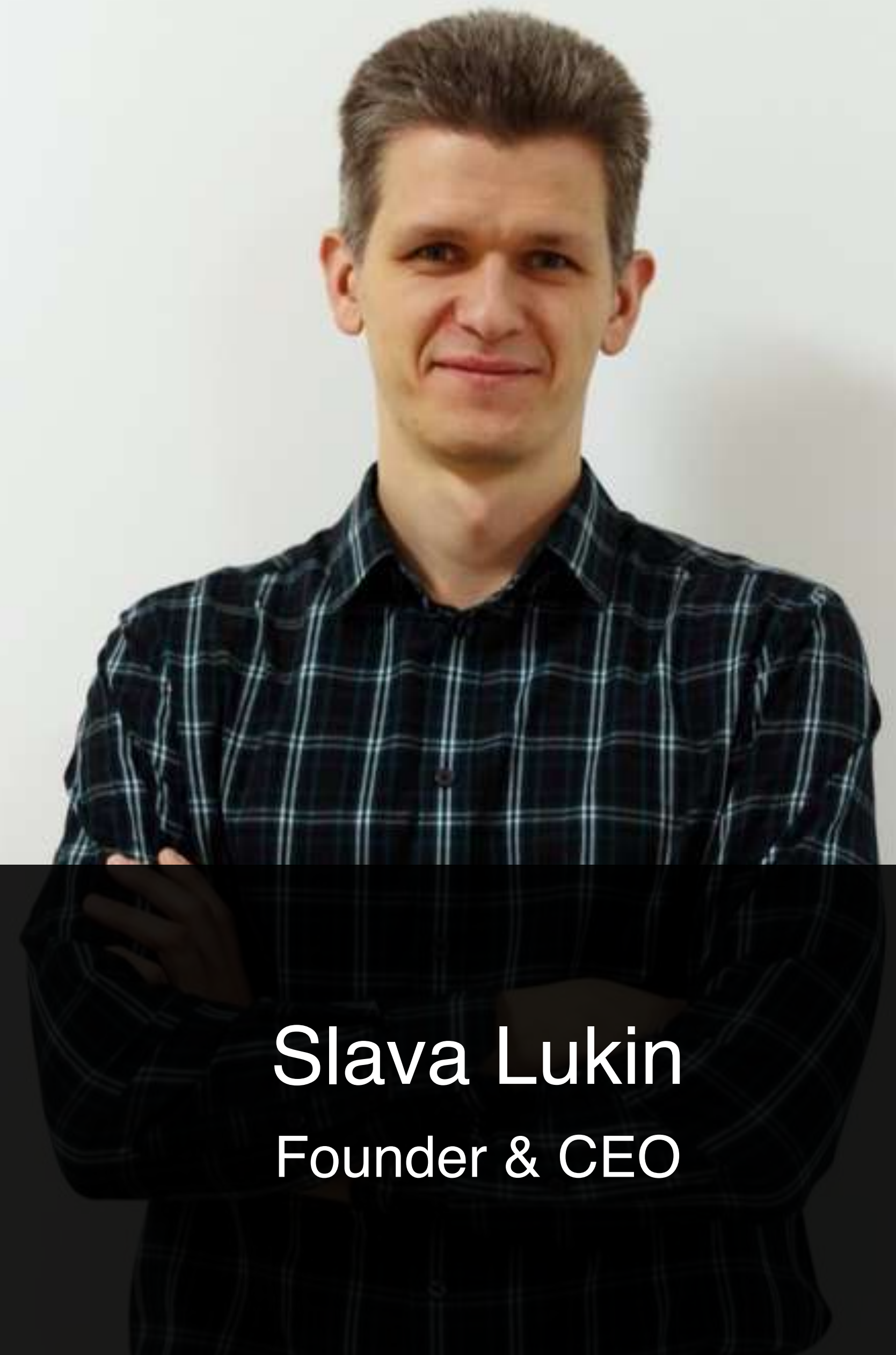Head of Laboratory of Data Analysis and Bioinformatics

EDGE vision

LET'S MAKE ROADS SAFER AND EFFICIENT TOGETHER!

🌐 edgevision.pro

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Slava Lukin
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