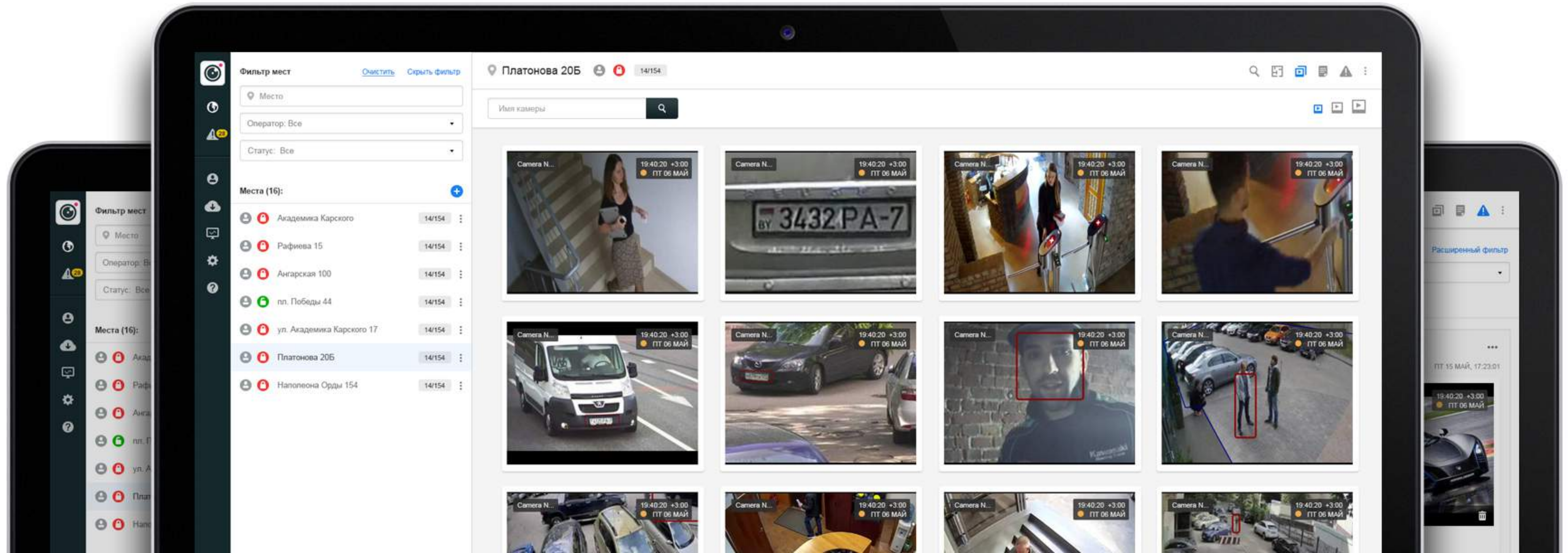


KIPD

the industry's first cloud service
for video/audio content search and alarm monitoring



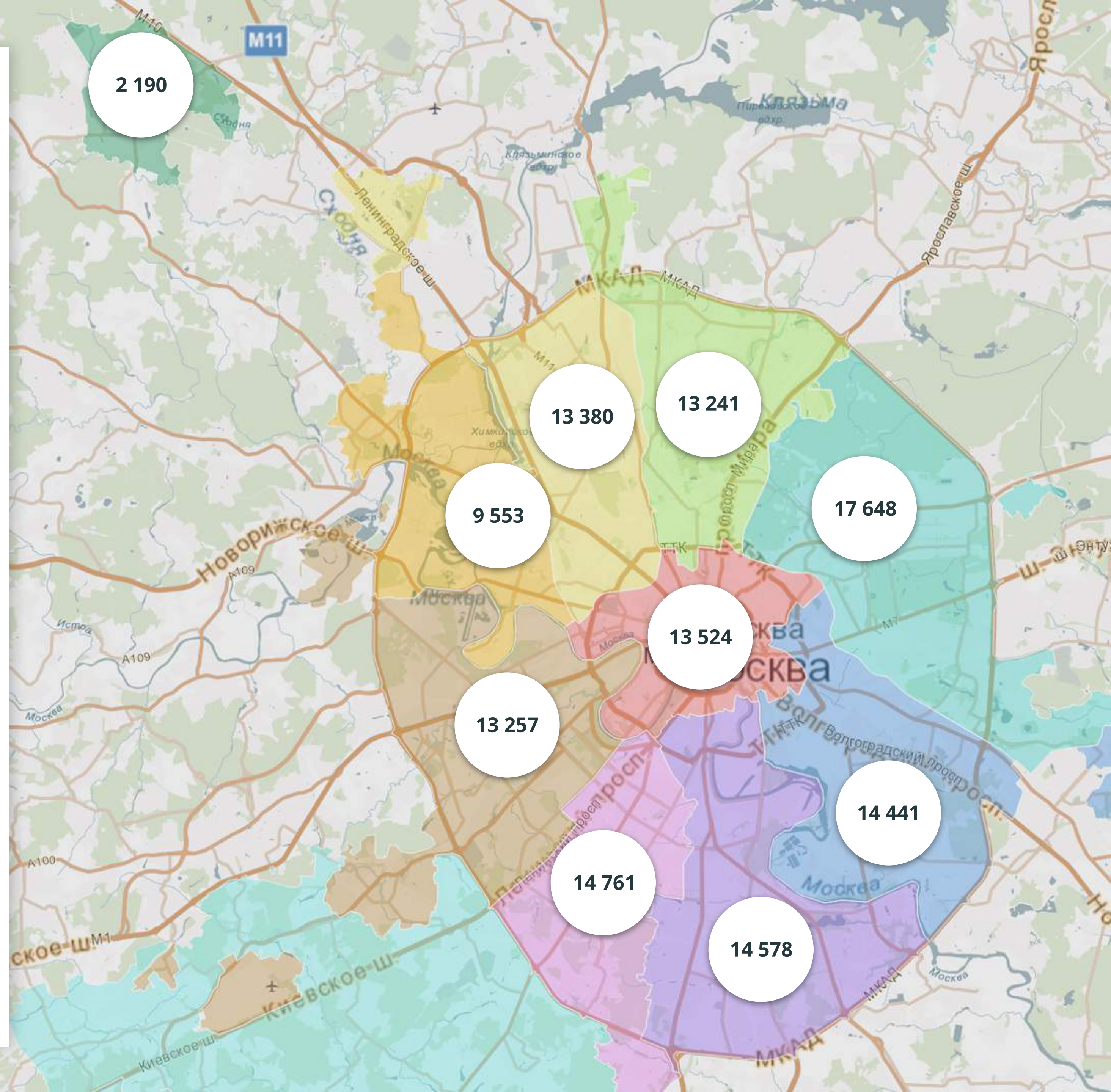
Problem:

Urban CCTV is Not Efficient

Moscow example:

- 150 000+ cameras
- 10 000+ users
- 5 day video storage
- No search tools at all
- Average search - 3 days

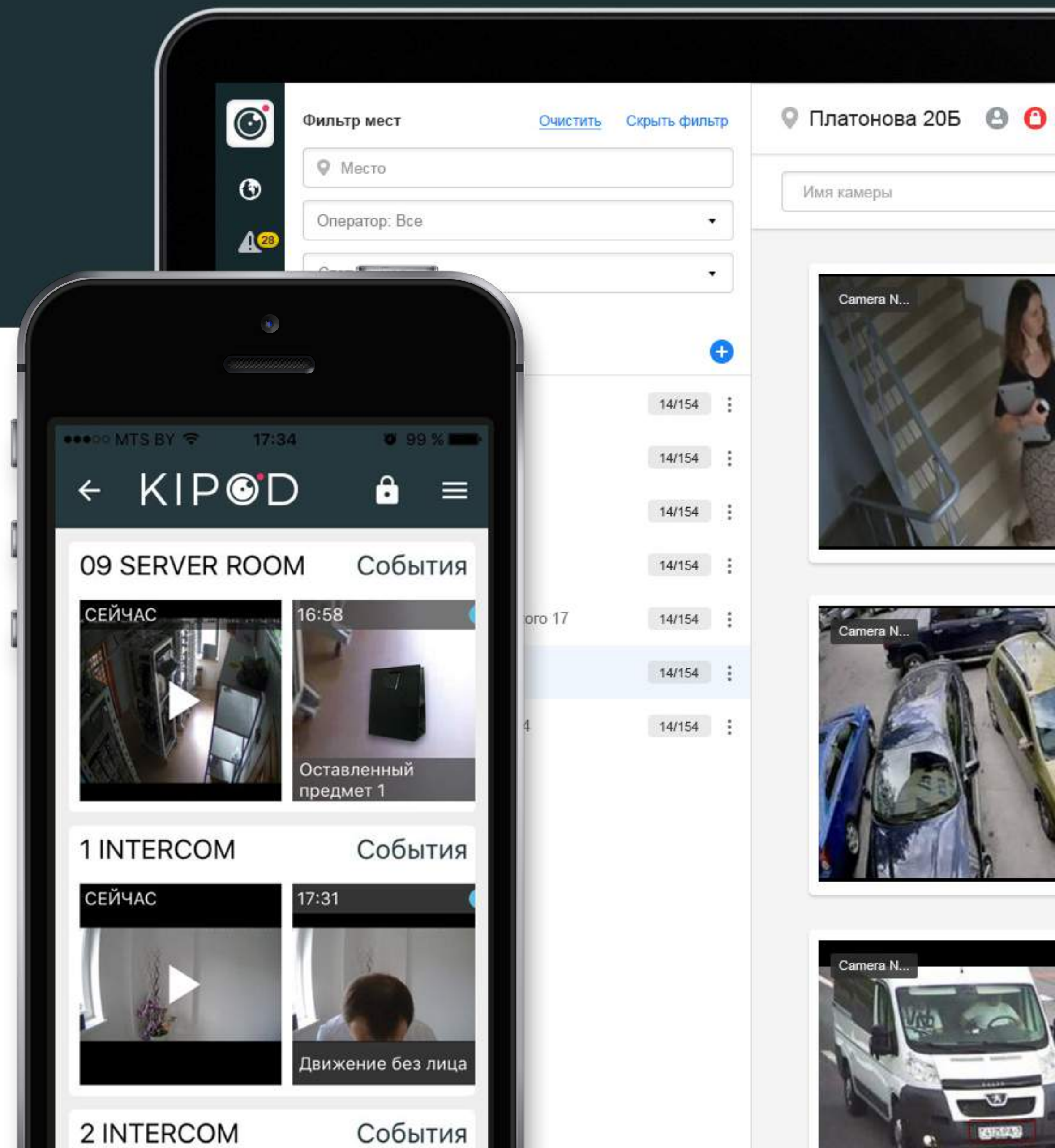
Same problems in
Paris, London, New York...



Solution: Introducing Kipod

The industry's first cloud service
for video/audio content search
and alarm monitoring

Locate an event instantly
across petabytes of CCTV video



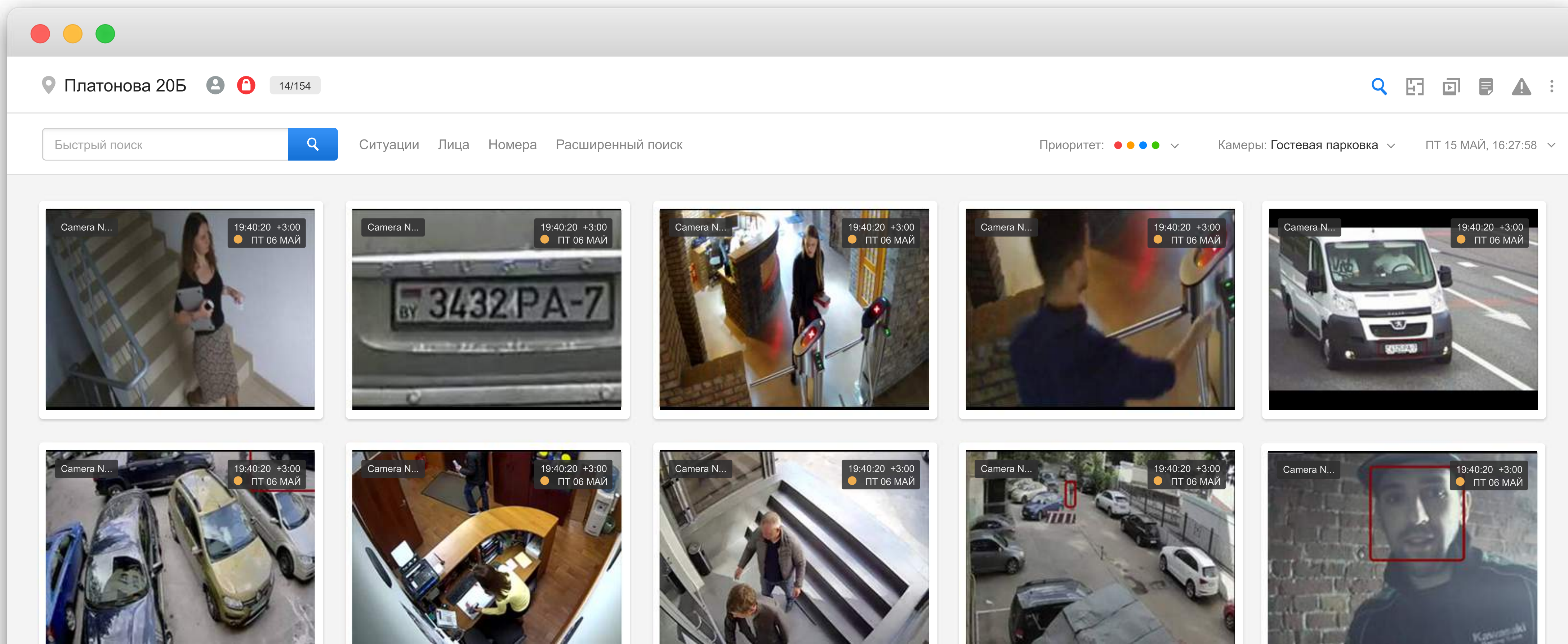
Search Everything

✓ People

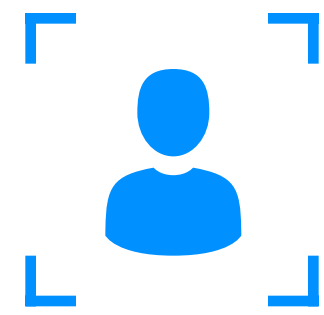
✓ Vehicles

✓ Transactions

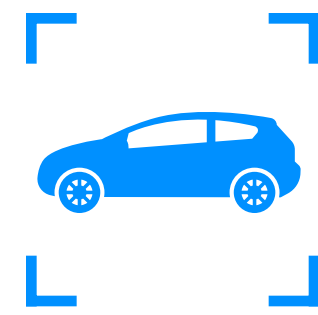
✓ Comments



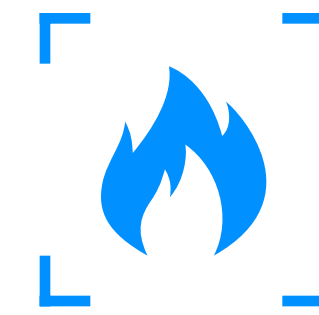
Kipod Video and Audio Analytics based on Deep Learning



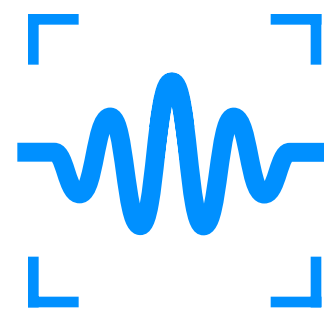
PERSON
IDENTIFICATION



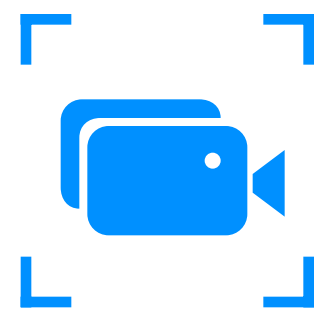
VEHICLE
IDENTIFICATION



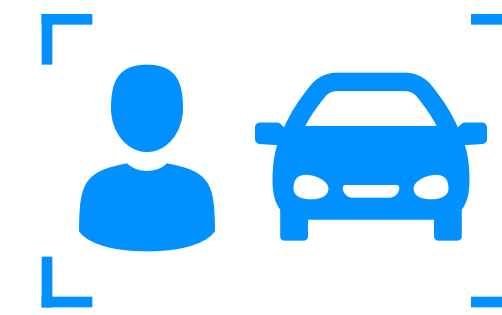
BEHAVIOUR
RECOGNITION



AUDIO
RECOGNITION



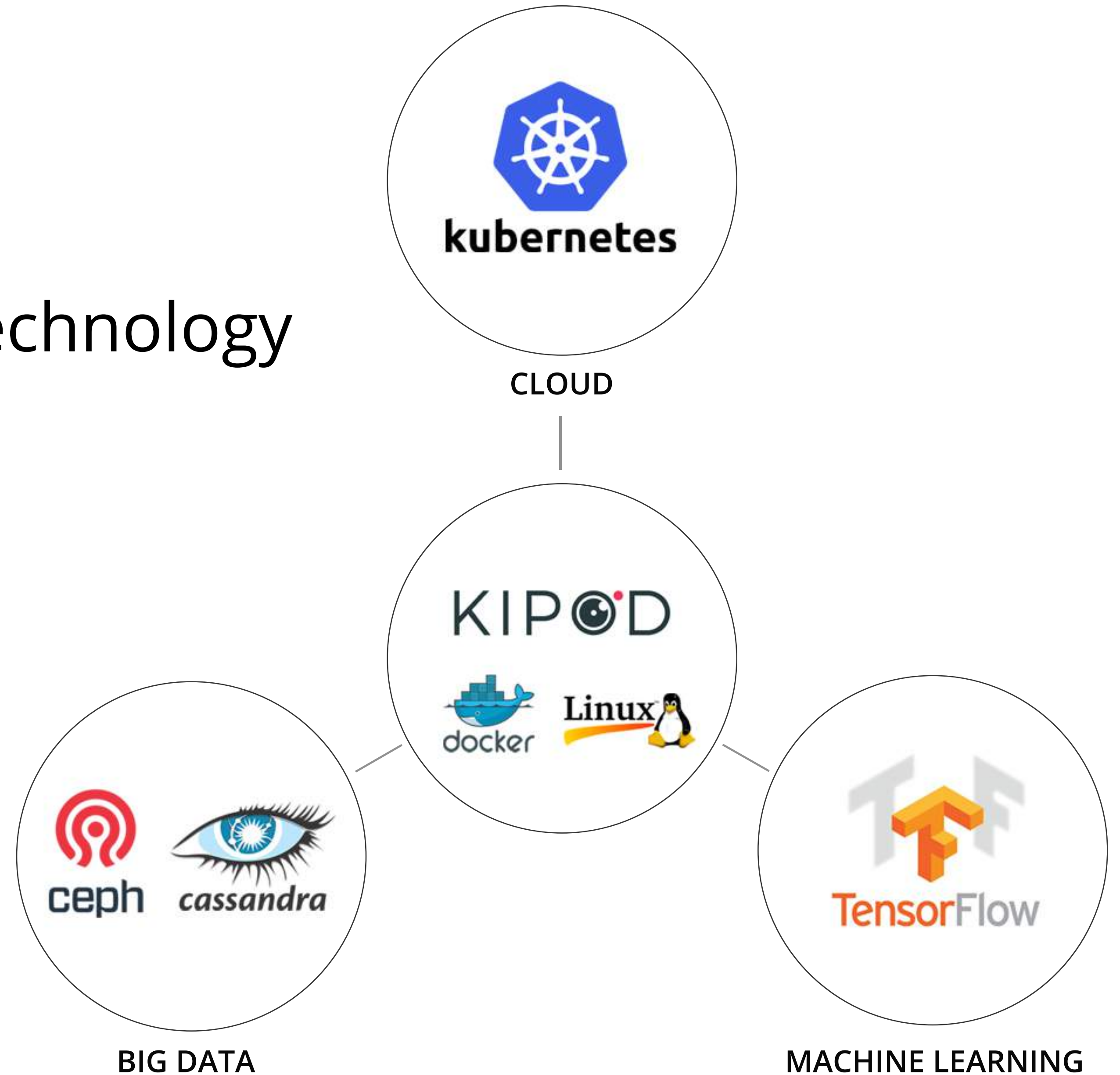
MULTIPLE CAMERA
TRACKING



OBJECT
CLASSIFICATION

State-of-the-Art Cloud Technology based on Open Source

- ✓ FUTURE PROOF
- ✓ HARDWARE AGNOSTIC
- ✓ COST EFFECTIVE



Carrier Class Solution

Scalability



1 000 000+
users



1 000 000+
cameras



1 000 000+
gigabytes

Tier III Availability

- ✓ No single point of failure
- ✓ Background software updates
- ✓ 24/7 monitoring

Using a standard datacenter infrastructure



KIPOD for Operators

Opportunities

- ✓ Penetrate new market segments
- ✓ Increase ARPU
- ✓ Increase subscriber base

Business Models

- ✓ Revenue share
- ✓ Software as a Service (SaaS)
- ✓ Subscriber group tailored packages

Target Market Segments

GOVERNMENT



Smart cities



Public transportation



Military sites



Critical infrastructure



National border

ENTERPRISES



Distributed production



Retail chains and malls



Bank branches & ATMs



Hotels



Apartment buildings

The market to exceed \$6 billion by 2020, posting a CAGR of over 28%

Technavio, 14 March 2016

GLOBAL VIDEO SURVEILLANCE MARKET 2016-2020

Market outlook of the video surveillance market

Technavio's research analyst predicts the global video surveillance market to grow steadily at a CAGR of over 22% during the forecast period. The increasing demand for wireless network infrastructure is the key growth driver for this market. Video surveillance solutions incur high network deployment cost and maintenance cost. Enterprises are opting for wireless network infrastructure to avoid these additional charges incurred due to a wired network. Wireless video surveillance provides security to critical infrastructures such as airports and cities without the additional installation and maintenance cost. The shift from analog to IP cameras is expected to boost the market growth during the forecast period. The demand for IP cameras is growing as the total cost of operation of IP cameras is much lower than analog cameras. They are more flexible, scalable, and can be easily installed when compared to analog cameras. Moreover, IP cameras have built-in servers or encoders that help in image encryption and provide multi-level user access control, which prevents third-party manipulation.

“There’s an opportunity to take the whole \$30 billion industry and move it to the cloud.



DEAN DRAKO

President and CEO of Eagle Eye*,
Co-Founder of Barracuda Networks

* Eagle Eye, an Austin, TX based cloud video surveillance company, which has received multi-million investment from Michael Dell In 2014.

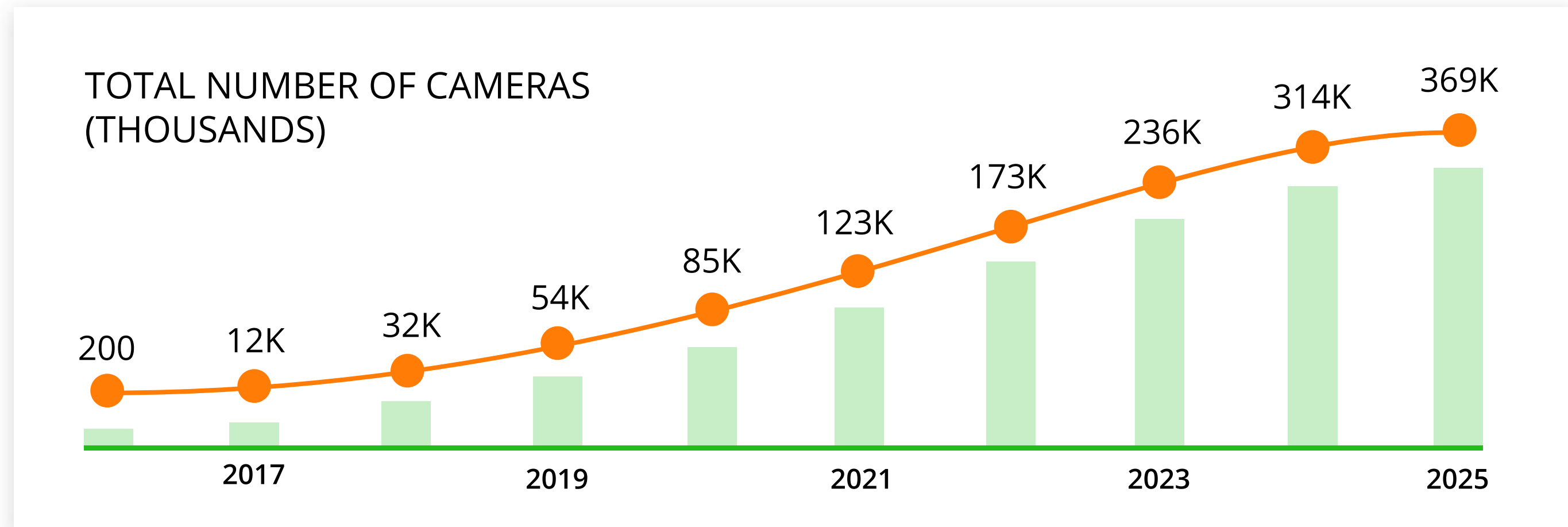
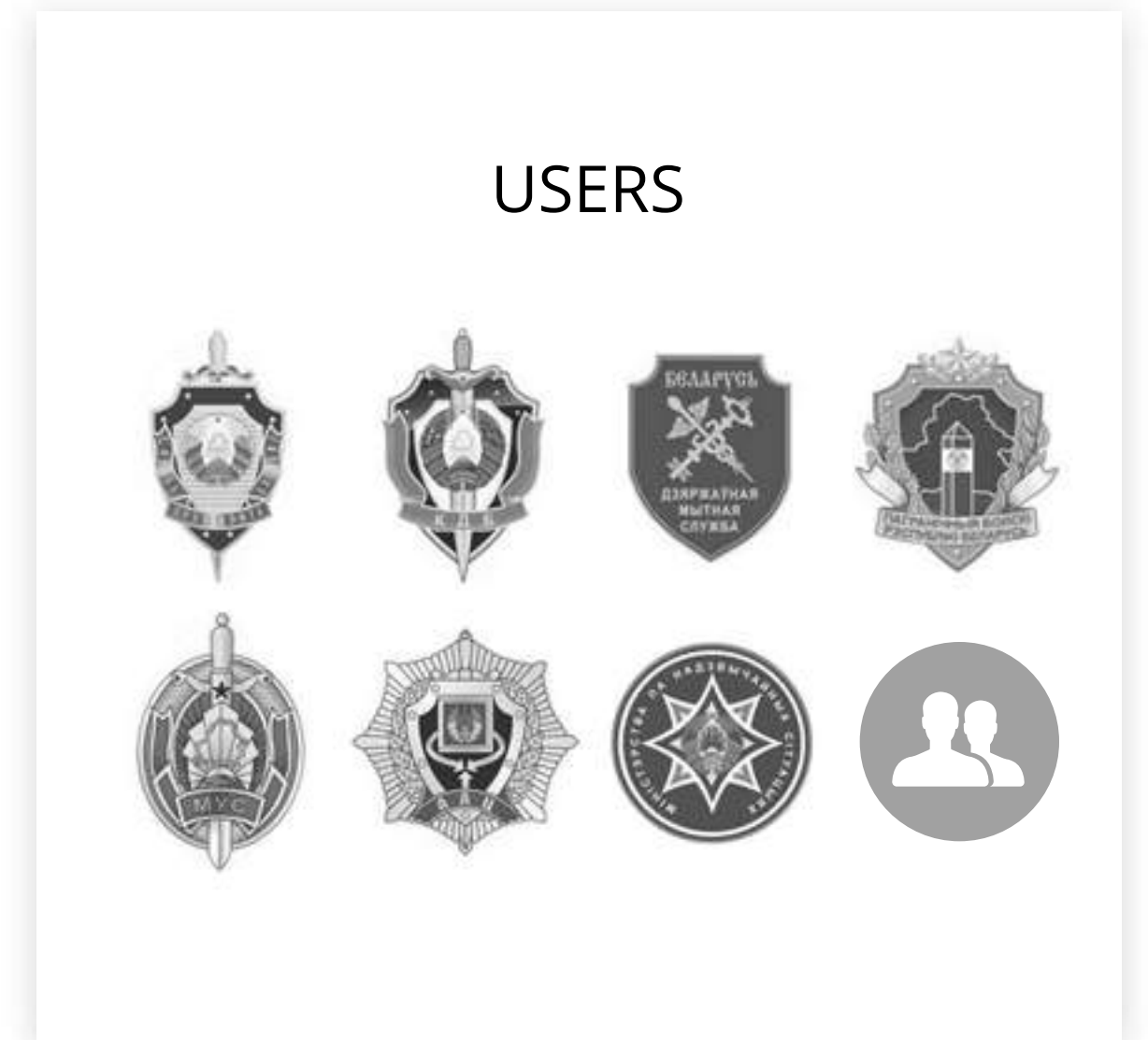
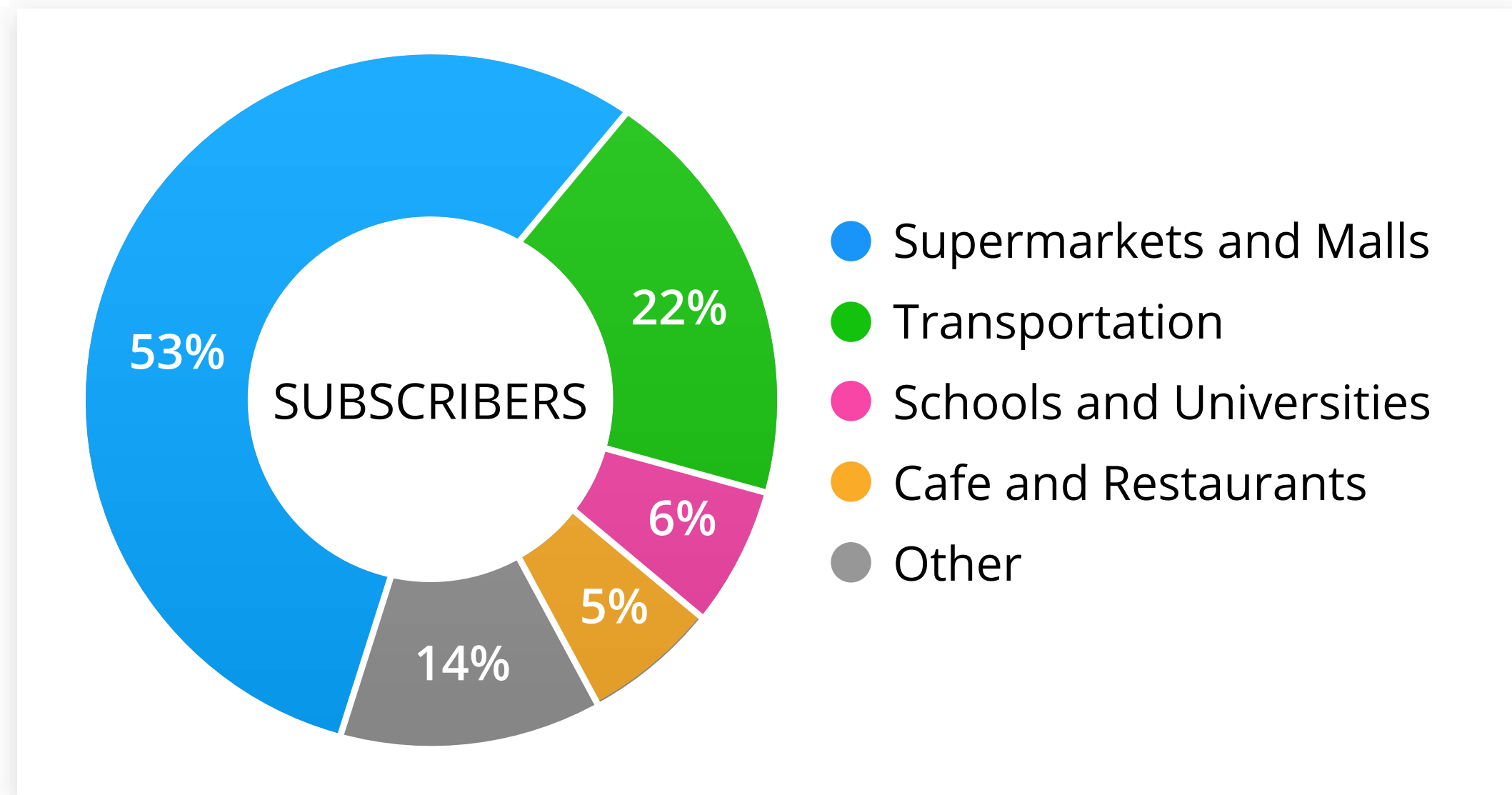
CASE STUDY:

State Monitoring System for Public Safety

PROJECT SCALE:

400 000 cameras

State Monitoring System for Public Safety

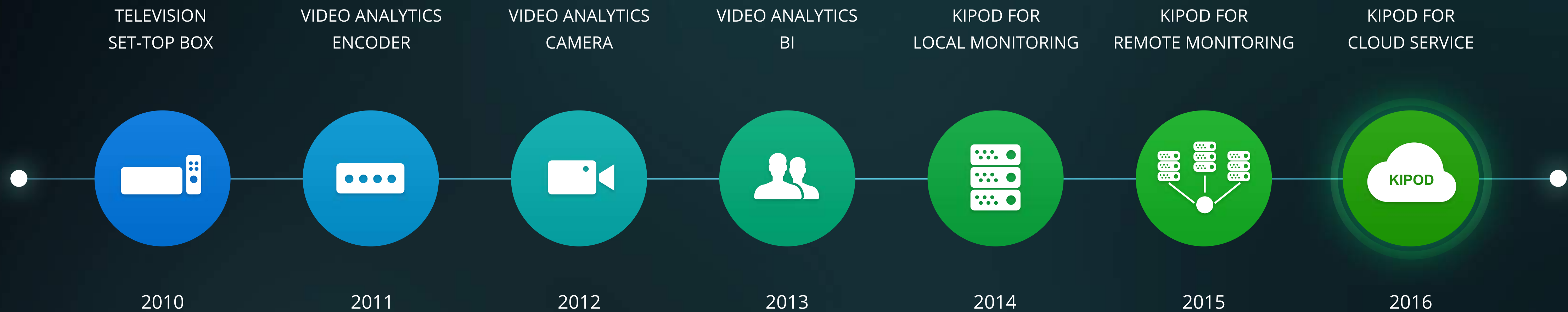


DATACENTER

AVAILABILITY	99,982% TIER III
NUMBER OF SERVERS	7 500 nodes 10% redundancy
STORAGE VOLUME	2 250 000 GB 300% redundancy
INBOUND TRAFFIC	2 000 Gbps

KIPOD

Product Evolution



MARKETS

Security
Business Intelligence (BI)

BUSINESS MODELS

Platform as a Service (PaaS)
Software as a Service (SaaS)
Software Licensing

SALES OFFICES

Toronto, Minsk, Moscow,
Baku, Almaty

STAFF

100+ people

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