



Aq Zhol

multifunctional device with advanced road safety
monitoring system



86.6% of all
accidents



**are caused by the driver
himself**



Due to drowsy driving, there are about:

100.000

traffic accidents

71.000

injuries

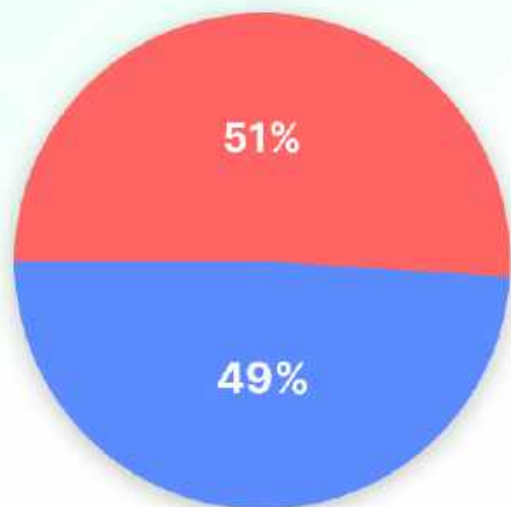
1.550

deaths per year



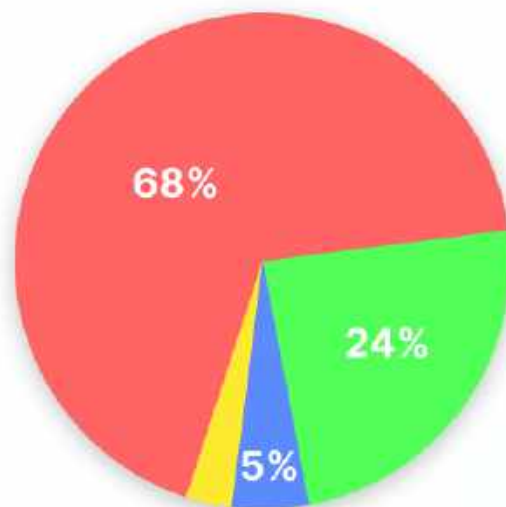
User development

The number of drivers who have experienced falling asleep at the wheel



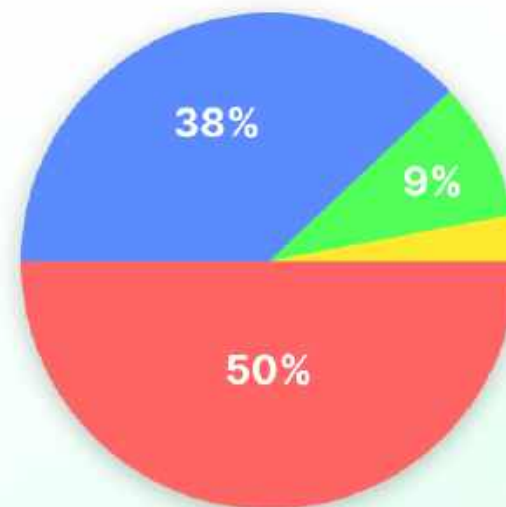
● Yes
● No

The level of concentration of drivers in the daytime



● 1-3
● 3-5
● 5-7
● 7-10

Concentration level of drivers at night



● 1-3
● 3-5
● 5-7
● 7-10



200 drivers of transport companies



AQ ZHOL | 04

Pre-production 3-D model of AQ ZHOL dual dashboard camera



Basic principle of operation



Detection of a highly
dangerous action

+



Playing a signal to prevent an
accident

+

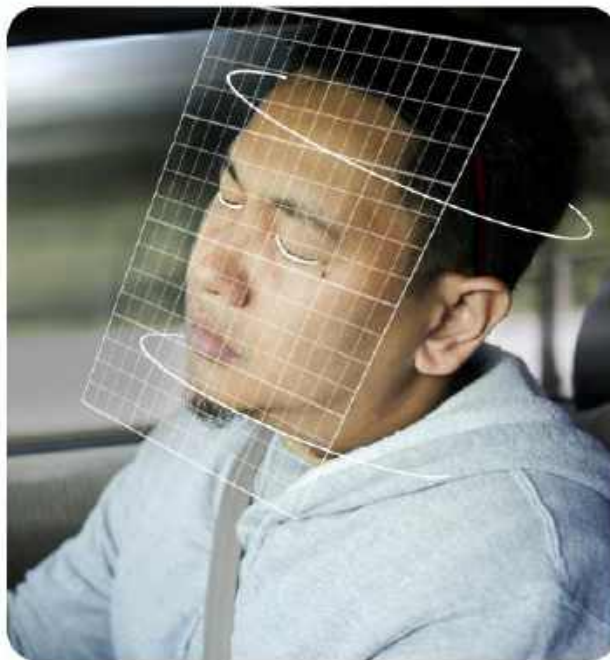


Transferring data to servers
for administrators and storing
it in the cloud



Functions of the camera aimed at the salon

Head direction analysis
in 3D space.



A mathematical algorithm for
calculating the eye area.

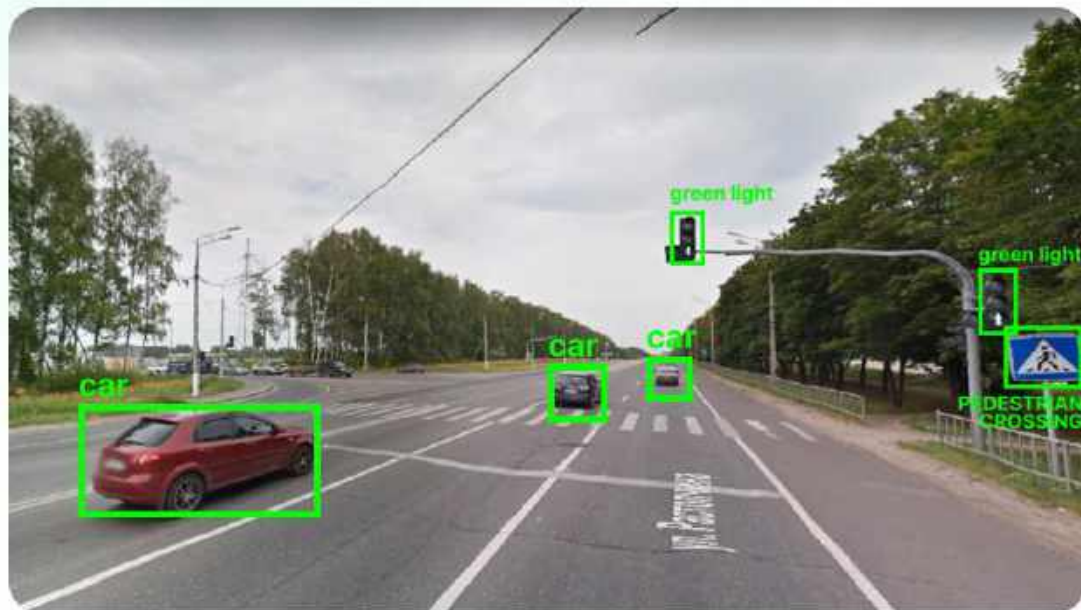
**98% accuracy and
3500 images**

Detection of driver
distraction factors.



Functions of the camera aimed at the road

**96% accuracy and
17,500 images**



Detection and analysis of road signs, traffic light colors



Analysis of the location of the car relative to the center of the road row



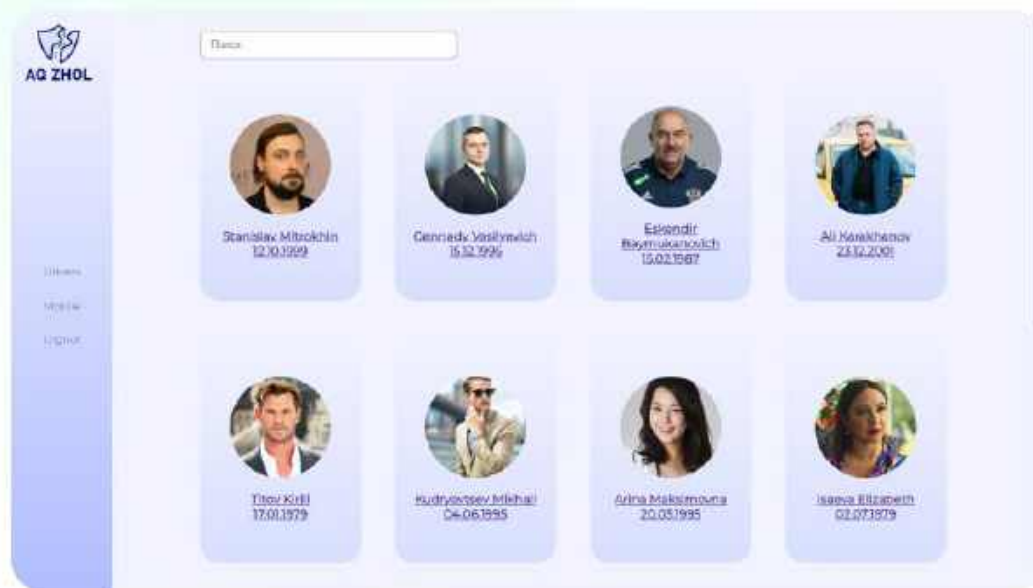
Emergency button



When the alarm button is pressed, automatic alerts with the exact GPS coordinates of the car are delivered to the administrator via the Aq Zhol control panel, ensuring that he can immediately take action to help the driver.



Analytical application for managing transport companies



Database of drivers of a company associated with Django ORM



Analytics for each driver of the company, including: falling asleep, traffic violations.

Driver coaching



Asylzhan



James



Madiyar



Factors affecting the rating

- ▶ Acceleration is too fast
- 🎯 Braking too fast
- 🚦 Violated traffic rules



Market Analysis

20,000+ transport companies in United Arab Emirates

TAM — 27 bil \$

SAM — 13.5 bil \$

SOM — 600 mil \$



Business model for B2B

We are a B2B
project



According to business needs



Effectiveness

Reduce costs within your business



Security

Ensure security wherever you work



Stability

Подготовка к переходу на возобновляемые
источники энергии



Compliance

Automate compliance with regulatory
requirements



Safety

Identify and eliminate risks



Customer experience

Increase customer loyalty and retention

By sectors



Transportation and logistics



Field services



Construction



Government



K-12 schools



Passenger transit



Municipal services

The price of the DVR

365\$

DVR costs

150\$

Annual subscription to
extended software

49\$

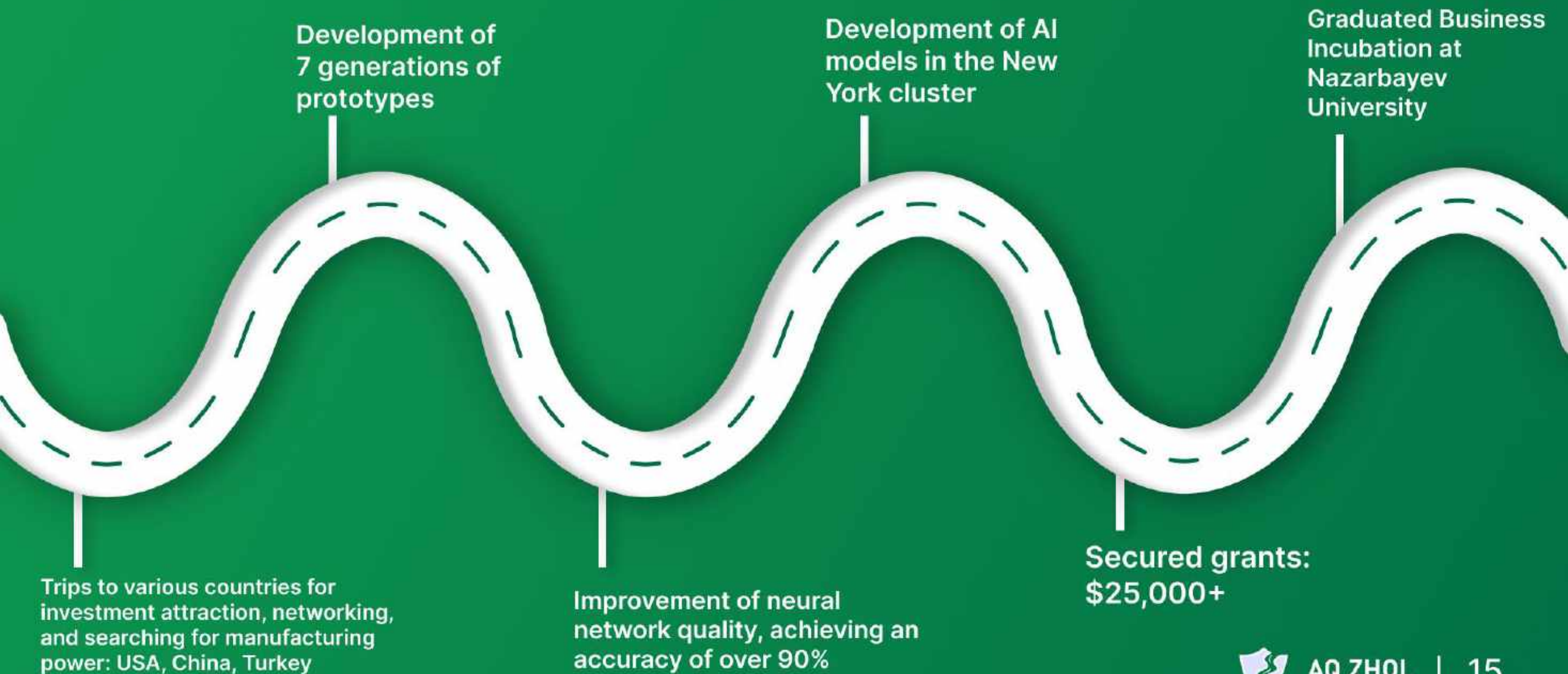


Competitive analysis

		 samsara	lytx [®]	Embedded systems - Mobileye
Driver condition analysis	✓	✓	✓	✓
Analysis of road objects	✓	✓	✓	✗
The level of compactness	high	medium	low	embedded
Quality of traffic analysis	medium	medium	✗	✗
Number of required components	1	2	5	embedded



Traction



Management team of AQ ZHOL



CTO

Askar Uvaliyev

- Developed AI lesson plan generator reaching 350+ users across 14 countries
- Created AI-powered medical device for tremor analysis, deployed to 150+ users
- Led Kazakhstan's first hackclub.com, teaching ML and cryptography to 30 students



CEO

Asylkhan Kali

- Graduate of the NURIS Business Incubator
- Regeneron ISEF finalist
- Possession of a copyright certificate to the anti-theft system with vehicle owner identification
- Experience of managing international 150+ teams



CDO

Nazerke Uisevkhankyzy

- Certified Junior Graphic Designer with hands-on experience in creative projects.
- Designer at Ozgeepik Creative Hub in Kazakhstan, contributing to innovative design solutions.
- Led visual design for the Samsung Innovation Campus Hackathon, 2nd place



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