



SINGULARITY LAB

AI INDUSTRIAL DEFECT MONITORING

ARTIFICIAL INTELLIGENCE

FOR DEFECT MONITORING IN OIL & GAS

FEATURES



DEFECT DETECTION

Use AI to determine where to focus inspection efforts



USEFUL INSIGHTS AND PREDICTIONS

Prevent breakdowns on early stages



LOWER COSTS, INCREASE SAFETY

Minimise human errors and hazardous situations



Dashboard overlay showing data for two units:

UNIT	CONDUCTOR	LIVE TIME	VEHICLE	CONDUCTOR	LIVE TIME
N3 IMP	ER-2	76-54/45	S0	ER-2	76-54/45
IMPULS FADER					

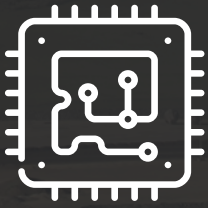
IMPULS FADER DWO: 70

AT COMP: OSC1
TIME UNIT: Rtes
CONDUCTOR: 20/+24

76-54/45

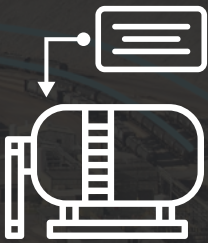
SIGNAL TRSP ROM

THRESHOLD: 100%
LOW: 100%
HIGH: 100%



INTEGRATION WITH EXISTING INFRASTRUCTURE

Use data from existing sensors and systems to further improve quality of insights



OBJECT DETECTION

Automatically detect, track and label plant equipment and infrastructure



INSTANT NOTIFICATIONS

When a fault is detected, a review request is generated so it can be checked and repaired



CUTTING EDGE TECHNOLOGIES

Best solutions from global leaders like IBM, Google and Amazon



SOLUTIONS

VIDEO INSPECTIONS

An array of connected video cameras that provides 24\7 on-site inspection.

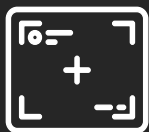


DRONE INSPECTIONS

A fleet of high-end drones that can provide on-demand inspection of an extended infrastructure.



• SERVICES



CUSTOM COMPLEX SOLUTION

Created to meet the exact needs of your company



EASY TO USE WEB AND MOBILE UI

Accessible from any device in any place with internet



EXPANDABLE MODULAR SYSTEM

Easily add any new features and data flows



RICH REPORTS AND ANALYTICS

See the exact performance and metrics of our solution



SUPPORT AND TRAINING

Replay system to analyse trainings and work



• ABOUT US

One of the first Kazakhstan company to work with advanced technologies
- Virtual and Augmented Reality, Artificial Intelligence and Blockchain.



Over 5 years of experience in building innovative projects



More than 20 specialists with top-tier experience



Completed 8 large innovative projects