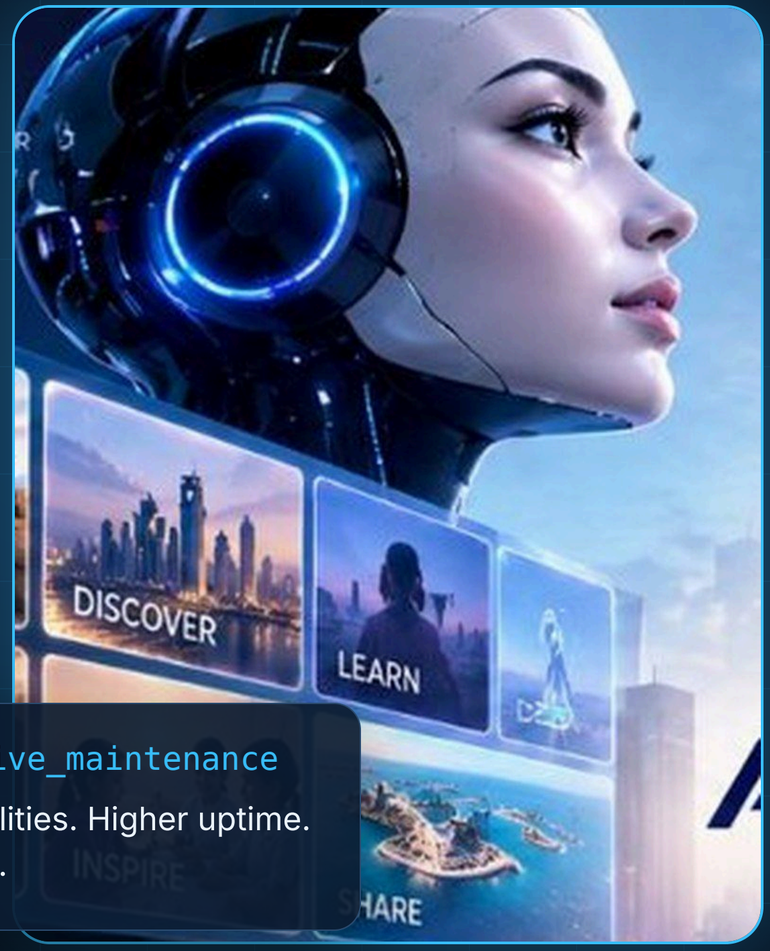
> catalogue_2026

AI & DIGITAL SOLUTIONS

Data, automation and software that make operations smarter.

AI | Data | Automation | Software



predictive_maintenance

Smarter facilities. Higher uptime. Lower costs.

> what_we_do

SOFTWARE FOR THE SYSTEMS WE BUILD

We connect power, building and telecom systems to data and software, so operators see what is happening and fix problems before they stop the site.

01

AI

Models that predict faults and detect patterns

02

DATA

Live readings from assets, meters and sensors

03

AUTOMATION

Rules and controls that act on that data

04

SOFTWARE

Platforms, dashboards and websites

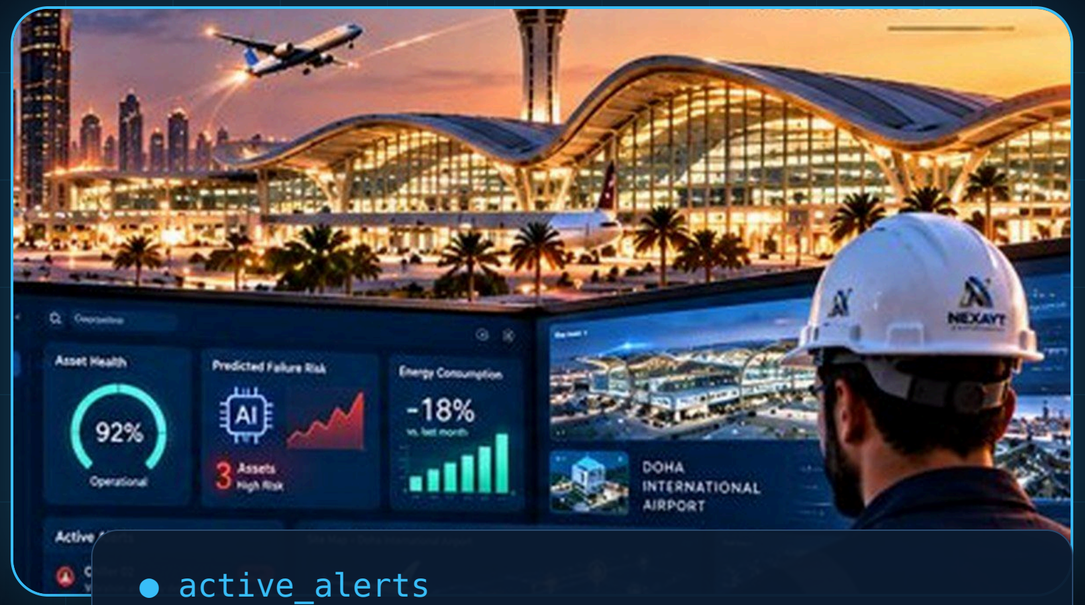
> flagship_platform

PREDICTIVE MAINTENANCE

Smarter facilities. Higher uptime. Lower costs.

One platform watches chillers, panels, generators and the rest of a facility. It flags unusual readings early, ranks them by risk and tells the team what to check first.

Watches	Ranks	Runs on
Assets live	**Alerts by risk**	**One platform**



● active_alerts

Chiller 02
Vibration anomaly detected — High

ATS panel
Temperature above threshold — Medium

Generator 01
Fuel consumption abnormal — Medium

> capabilities

SIX THINGS IT DOES

AI ANALYTICS
Predict, prevent, optimise

LIVE MONITORING
Assets and systems

FACILITIES
One integrated platform

ENERGY
Lower running costs

SAFETY
Proactive compliance

SCALABLE
For any sector

> sectors

WHERE IT RUNS

AIRPORTS
Critical infrastructure

BUILDINGS
Smart, efficient facilities

HOSPITALS
Reliable, safe operations

DATA CENTRES
Maximum uptime

INDUSTRY
Asset health

ENERGY
Renewables monitoring

project_01 · aathar-ai.com

> ai_marketing_studio · Qatar

AATHAR AI PLATFORM

Website and AI content platform for AATHAR, a studio from Qatar that turns ideas into copy, designs and videos. Built Arabic-first, with an AI generator at the centre of the page, plus the AI-produced documentary film “The Bad Word”.

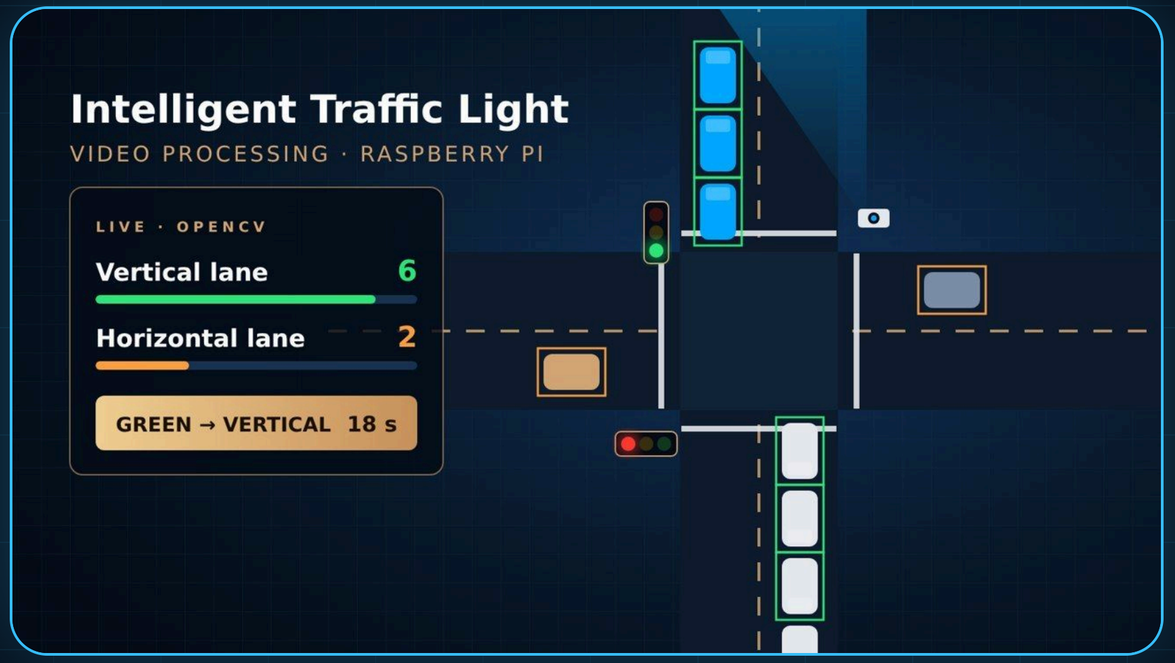
Generator
Text · design · video

Languages
AR · EN · TR

AI film
4K production



project_02 · r&d



camera → Raspberry Pi → OpenCV

One frame per second per approach; vehicles counted in every lane.

> computer_vision

AI TRAFFIC LIGHTS

Video replaces fixed timers. The busier direction gets green first, and its green time grows with the queue, cutting waiting time, fuel use and needless jams.

Methods reviewed	**22**
Decision logic	**Queue-based green**
Status	**Working prototype**

project_03 · r&d

> edge_computing

SOLAR EDGE AI NODE

A self-powered node that processes data where it is collected. Solar panels and LiFePO4 batteries run small cells, CCTV, Wi-Fi and IoT sensors anywhere, on or off the grid.

Power	Network	Computing
Solar + LiFePO4	**4G/5G · Wi-Fi 6**	**Edge AI**



> next_step

LET'S MAKE YOUR SITE SMARTER

Tell us which systems you run and what you want to see. We will propose a monitoring and automation plan.

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