URNAVIO

Drone engineering, development and maintenance

Iraq | Agriculture, energy and infrastructure



URNAVIO focuses on civil aerial systems, platform and payload integration, maintenance and technical support, with a pathway toward local assembly and manufacturing in Iraq.

Services and maintenance

Maintenance and repair: Platform and component inspection, fault diagnosis, operating-log review, repair scoping and post-maintenance checks. Model and component suitability are reviewed before work is agreed.

Development and integration: Mission requirements, platform and payload selection, sensor and power integration, assembly planning and verification.

Software and data: Autonomy, PX4, ROS 2 and MAVLink integration; telemetry and cloud connectivity. Aerial survey and inspection scopes are defined around coverage, accuracy and permissions.

How we work

Requirement review > Technical assessment > Agreed scope and estimate > Delivery and verification. Repair work and parts are agreed before execution.

Local manufacturing pathway

Product requirements and design > Prototyping and testing > Demand-led pilot production. Each stage has defined resources, costs and quality criteria.

Leadership and engineering

Saif Aldeen Saad Al-Kadhim | Founder
Engineer and researcher; PhD student at Xi’an Jiaotong University. More than 12 years of electromechanical systems experience.

Saif Albuhayder | Lead R&D Engineer
Robotics and UAS engineer with more than eight years of experience. PX4, ROS 2 and Auterion SDK; PhD researcher at BME.

Partnerships and investment

Discuss an industrial partnership, testing resources, component supply or investment in a defined development stage. Scope, responsibilities, milestones and resources form the basis of the discussion.

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URNAVIO AERIAL SYSTEMS & ENGINEERING

One-page investment summary

Target revenue

Technical assessment, payload and sensor integration, diagnostics and maintenance, and defined-scope aerial and thermal inspection. Recurring maintenance contracts are an option where customer demand supports them.

Proposed use of funds

Calibrated inspection equipment, bench testing and simulation, quality records, and field operating costs, permits and insurance for initial pilots.

Milestones before local assembly

Paid jobs that validate demand, measured margins after delivery costs, qualified suppliers and documented quality checks. Operating and financial assumptions will be reviewed against job records.

Discuss the proposal at partners@urnavio.com.

URNAVIO AERIAL SYSTEMS & ENGINEERING

Iraq solar inspection pilot concept note

Beneficiary and local partner

A public facility, hospital or industrial site with an existing PV system. A local partner would coordinate safe access and permits and provide drawings and a technician for field verification. The site and partner will be confirmed during proposal development.

Baseline and budget

Review existing inspection and fault records with the beneficiary to confirm gaps in thermal documentation. Cost the pilot after confirming the site and scope, including planning, thermal and visual imaging, a location map and an observations register.

Measurement and verification

Compare coverage in modules or square metres with the planned scope. Record inspected nameplate capacity in kWp where available. Count observations by priority and report the proportion verified by the site team.

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