INDUSTRIAL INSPECTION UAV PLATFORM

DJI Matrice 400 industrial inspection UAV

The DJI Matrice 400 is DJI's latest flagship industrial UAV platform — pairing extended endurance, increased payload capacity, and omnidirectional LiDAR sensing with the multi-payload flexibility demanded by modern inspection, mapping, and survey operations.



CAPABILITIES & APPLICATIONS

Extended endurance. Heavier payloads. Smarter awareness.

Platform Capabilities

Multi-Payload · Long-Range · All-Weather

- Flight time up to ~59 minutes per TB100 battery pair — fewer landings, larger sortie coverage
- Maximum payload capacity ~6 kg — supports simultaneous LiDAR, RGB and thermal configurations
- O4 Enterprise transmission up to ~40 km — stable HD video link for extended BVLOS missions
- LiDAR-based 360° obstacle sensing — true omnidirectional awareness in complex inspection environments
- IP55 ingress protection — rated for rain and dust, not just calm-day operations
- Triple gimbal mount options — combine optical, thermal, mapping and gas-detection payloads on one airframe
- PSDK 5.0 / DJI E-Port — compatible with Phase One P3, AILF U10, Hovermap ST-X and other third-party payloads
- RTK-precision positioning — centimetre-accurate flight paths for repeatable routes and photogrammetry mapping

Applications

Built for inspection and survey professionals

- Offshore platform & topside inspection — full asset coverage from a single launch
- Power line and transmission corridor surveys — long-range BVLOS for linear infrastructure
- Wind turbine blade inspection — combined RGB / thermal capture in a single sortie
- Pipeline corridor monitoring — optical, LiDAR and methane detection on one platform
- Confined-proximity inspection — LiDAR avoidance enables close standoff to structures
- Wide-area photogrammetric mapping — survey-grade RTK outputs at scale
- Multi-payload search & rescue — adverse-weather IP55 deployment with thermal and optical
- Emergency response & rapid asset assessment — fast turnaround for incident sites

RENTAL BENEFITS

Hiring this UAV is more cost-effective than an outright purchase — and lets you access DJI's latest industrial platform only when you need it.

WHAT DO I NEED TO BOOK A RENTAL?

Provide us with some key documents — then enjoy your hire.

01

Insurance

Insure your rental under a Hired-in (non-owned) equipment cover policy — to the full cost value of the equipment and for the duration of your hire period.

02

Proof of ID

Submit a copy of your passport or driving licence, plus a utility, bank, or council tax statement that matches your name and delivery address.

03

Flyer ID

You need a valid Flyer ID and Operator ID. A2 CofC or GVC strongly recommended for the M400's flight envelope and BVLOS operations.

READY WHEN YOU ARE

Available now from D2 Rentals — calibrated, complete, and field-ready.

www.d2-rentals.co.uk · Inverurie, Aberdeenshire