# Reliant

Long-Range VTOL UAS

# About us

Quantum Systems is at the forefront of AI-powered aerial robotics, developing a family of smart systems that go far beyond traditional drones. Our advanced electric vertical take-off and landing (eVTOL) unmanned aerial systems (UAS), combined with our Nexus Drone Port solution, are designed to deliver automated actionable aerial intelligence.

Built on a foundation of in-house software and AI, our systems transform aerial data into critical insights, empowering decision-making across security, defense and public safety, as well as for the commercial, industrial and GIS sectors.

Featuring cutting-edge technology like edge computing and real-time AI-driven data processing, Quantum Systems enables operators to make informed decisions with unmatched speed and precision. Our solutions bring aerial intelligence to your fingertips, automating the entire process – from deployment to data analysis.

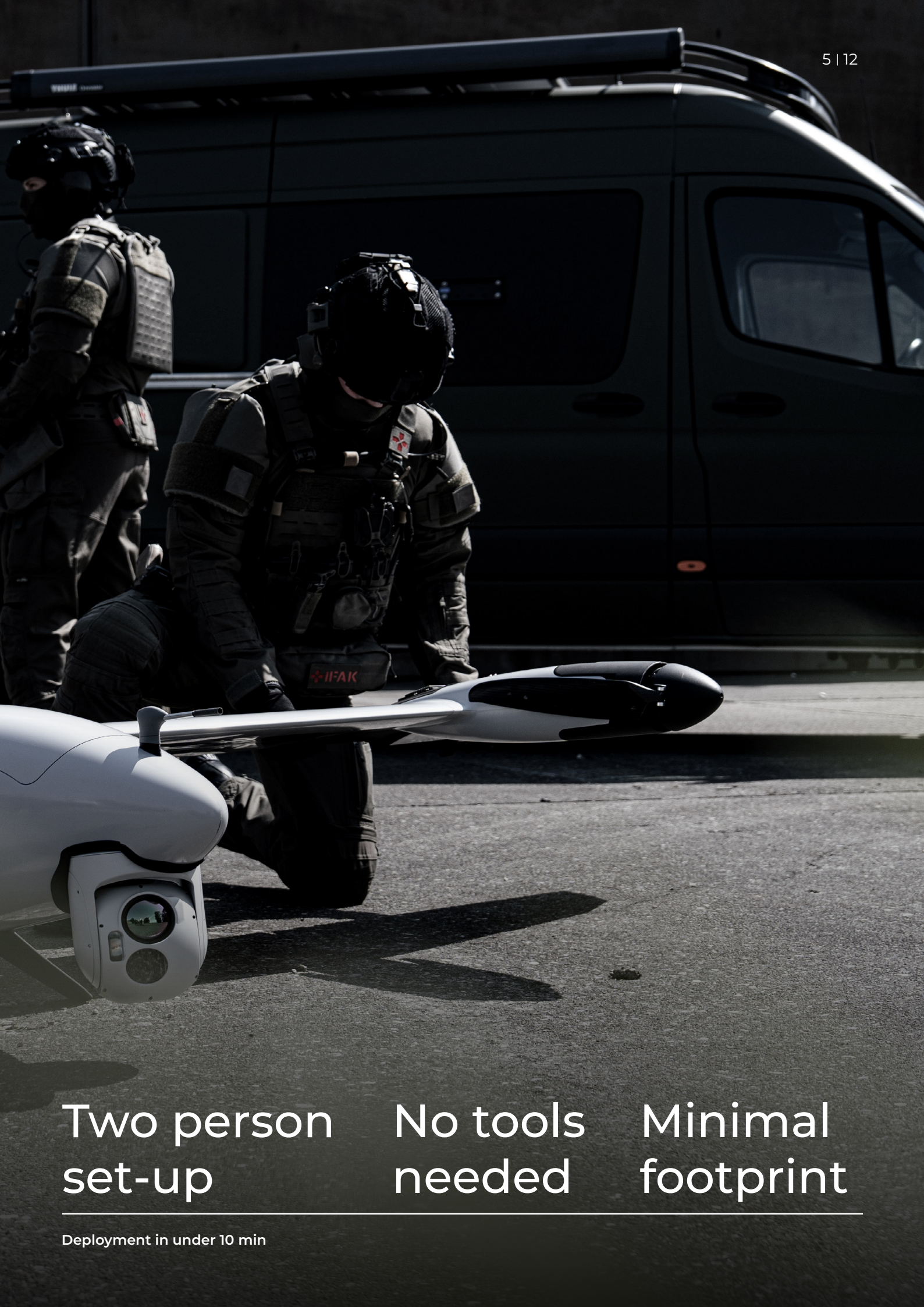
Founded in 2015 and headquartered at Special Airport Oberpfaffenhofen near Munich, Quantum Systems operates globally with locations in the United States, Australia, the United Kingdom, Ukraine and Romania. Our German-engineered technology is trusted worldwide, paving the way for a new era of data-driven solutions.

# Intelligence Without the Infrastructure

## Reliant
## VTOL Fixed-Wing UAS

Group 2 UAS built for autonomous ISR in contested, multi-domain environments. Modular payloads, GNSS-denied navigation, and real-time intel with no runway or launcher needed.

| | |
|---|---|
| **Wingspan** | 4.3 m |
| **MTOW** | 33 kg |
| **Wind** | 15 m/s |
| **Endurance** | 10+ h |




# Two person set-up

# No tools needed

# Minimal footprint

**Deployment in under 10 min**

# Sensor Options

- Gimbaled EO/IR sensors with optional laser rangefinder, laser designator, or laser illuminator
- Synthetic Aperture Radar (SAR)
- Signals Intelligence (SIGINT) payloads
- CRPA (Controlled Reception Pattern Antenna) modules for GNSS resilience
- Electronic Warfare (EW) and jamming payloads
- Additional tactical data links and relay packages

# Mission-Driven Modularity

Reliant's dual, hot-swappable, MOD-compliant payload bays enable rapid sensor reconfiguration. Designed for modularity, Reliant allows teams to adapt to evolving mission demands and threats in real time.

Its open architecture enables integration of third-party and government off-the-shelf payloads for diverse ISR and EW missions. Operators can launch back-to-back missions with different sensors, including EO/IR, SIGINT, EW, and CRPA, thereby maximizing uptime and operational impact.

# Ground Control System

## Interoperability

- MISB ST 0902 (STANAG 4609)-compatible live video stream with KLV metadata
- Battle Management System (TAK, Sitaware, Telepak)
- Cursor-on-Target (COT) protocol
- C4ISR-capable
- Robust plug-in architecture

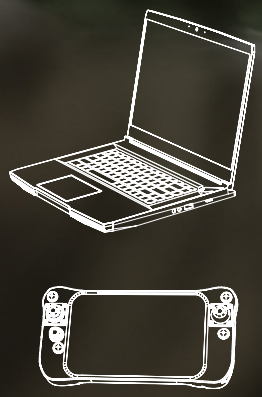
## SRoC

**Touch Display**
7“

**Hot swappable**

**Battery**
2x swappable battery module

**IP Rating**
IP65



## Toughbook

**Touch Display**
14“

**Hot swappable**

**Battery**
up to 38 hours

**IP Rating**
IP53


# Mission Control Software


## MOSAIC UXS

- 360° Link: Seamless Interoperability
- Intelligent Mission Control: AI-Supported Mission Planning & Execution
- Multi-Domain by Design: Orchestrated Collaboration
- Sensor Data Fusion: Coordinated Data Flow
- Scalable Command Interface: For Every Mission Layer
- Open & Modular System: Coordniated Data Flow

# The Autonomous Solution for Mission-Critical ISR. Anywhere. Anytime.

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**Document number**
QS_Reliant_A4_BS_3mm_250811
**Release date**
August, 2025

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