

Solution Finder

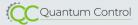
For Vendors

Case Studies

About

Contact

MATCH NOW



Quantum Control

Year Founded 1992

Headquarters
California, USA

Contact sales: dtautges@componentcontrol.com

Book a Demo

Website

Summary

Your Perfect Match for Aviation & MRO Operations Quantum Control is an industry- leading ERP designed specifically for aviation, MROS, and aftermarket service providers. Built for efficiency, compliance, and scalability, it seamlessly integrates with aviation workflows to enhance operational performance, optimize inventory management, and ensure regulatory compliance.

Unique Differentiators vs. Other ERPs:

Aviation & MRO Focused: Unlike generic ERPs, Quantum Control is purpose-built for the aviation industry, ensuring seamless alignment with FAA, EASA, and global regulatory requirements.

End-to-End Solution: From quoting and procurement to maintenance, sales, and invoicing, Quantum provides a fully integrated platform to streamline operations without the need for third-party add-ons.

Industry-Leading Integrations: Quantum Control connects with key aviation platforms like AeroXchange, ILS, and Amazon FedRAMP, ensuring real-time data synchronization and maximizing business opportunities.

Next-Gen Capabilities: With Al-powered analytics, advanced business intelligence tools (MAXA, Quantum Analytics), and cloud-based scalability, Quantum is designed for the future of aviation technology.

Data-Driven Decision Making: Quantum's powerful reporting and analytics empower users with actionable insights, enabling smarter inventory control, maintenance scheduling, and financial forecasting.

ROI-Driven Efficiency: Reduce downtime, improve turnaround times, and maximize profitability with automated workflows tailored for aviation and MRO businesses.

Quantum Control delivers the tools and capabilities required to optimize operations, improve efficiency, and support business growth in the aviation and MRO sectors.

Overview	Company Profile	Typical Deal Size	Customer Base
	Company Size	Subscription Cost per User per	Existing Customers
	2000 employees	Month in \$USD: Minimum \$99	1,700+
	Operating Offices Global Americas Europe Asia Middle East Africa	Average \$500 Maximum \$2,000 Typical Implementation Cost in \$USD: \$50,000 Typical Implementation Timeline:	AJW Group Pilatus Embraer FDH Unical Ametek All Clear
	Industry Standards	6 Months	

GDPR

Typical Customer

Company Size in \$ USD:

Geographic Regions Typically Served:

Sectors Typically Served:

>\$25M < \$50M USD in revenues

< 800 Employees

ΑII

Americas

Europe Asia Middle East Africa

Commercial

Business & General Aviation

Helicopter Military & Defense



Segments this ERP is Designed for:

Manufacturers & OEMs

Airframer OEM РМА MRO

Line & Base Engine MRO Component MRO Airline in-house MRO Specialized MRO Teardowns

Fleet Operators

Charter & Fractional Ownership Ground Handling & Airport Services

About the Product

Hosting

Cloud-Based On-Premise

Existing Integrations

ILS PartsBase Aeroxchange Stock Market.aero SkySelect ePlane Quickbooks Avalara B2BAero GraphQL ODBC Microsoft 365

Core Functional Capabilities

- COTS Commercial Off the Shelf Solution
- **Employee Training Modules**
- Multi-Currency Rates
- Billing & Invoicing
- Standard Reliability Manufacturing Execution
- Flight Operations
- People Planning & Scheduling
- Scrap Management
- Employee Training Records Management
- Part Pooling

- Data Privacy Compliance
- Customer Management
- Account Payables & Receivables
- Contract Management
- Quality Management
- Aircraft Maintenance Heavy
- Component Maintenance
- Labor Recording
- Logistics Management Goods in & Out
- Asset Management Tooling & Equipment
- Cost-by-the-Hour (CBH) Management

		Fixed Pricing for Repairs		Marshalling Management
	~	Purchase Orders	~	Inventory Management
	~	Vendor Quotes	~	RFQ/RFP Management
		AD & SB Management		Flexible Solution - Custom Programming
	~	Electronic Record Keeping		Payroll
	~	Credit Memos & Claims	~	General Accounting
	~	RMA & Warranty Management	~	Customs Compliance & Exports
	~	Audit & Compliance Management	~	Engineering - New Product Introductions
		Crew Management	~	e-Signoff
	~	Repair Orders	~	Aircraft Maintenance Light
	~	Task Card Management	~	Part Number Capabilities Management
	~	Loan & Borrow	~	Warehouse Cycle Count
	~	Tooling Calibration	~	Exchange Management
	~	Consignment Management	~	Pricing Management
	~	Material Planning	~	Sales Orders
	~	Parts Kitting	~	Engineering & CAMO
	~	Customer Quotes	~	Technical Publication in Order Management
	~	Customer Quotes	~	Sales Orders
	~	Technical Publication in Order Management	~	Engineering & CAMO
Other Features		PDF Data Extraction		Standard/Routine Maintenance Tasks
Other Features		PDF Data Extraction Non-Routine Tasks		Standard/Routine Maintenance Tasks PDF Reader
Other Features				
Other Features		Non-Routine Tasks		PDF Reader
Other Features		Non-Routine Tasks Data Cleansing & Standardization		PDF Reader In-House Software Development
Other Features		Non-Routine Tasks Data Cleansing & Standardization Outsourced IT & Digital		PDF Reader In-House Software Development Carbon Optimization Tracker
Other Features		Non-Routine Tasks Data Cleansing & Standardization Outsourced IT & Digital Human Resource Management (HRM)		PDF Reader In-House Software Development Carbon Optimization Tracker Financial Reporting Automation
Other Features		Non-Routine Tasks Data Cleansing & Standardization Outsourced IT & Digital Human Resource Management (HRM) Aircraft Fleet View Smart Warehouse Management System		PDF Reader In-House Software Development Carbon Optimization Tracker Financial Reporting Automation Drone Inspections
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Other Features		Non-Routine Tasks Data Cleansing & Standardization Outsourced IT & Digital Human Resource Management (HRM) Aircraft Fleet View Smart Warehouse Management System (WMS) & Robotics Customer Relationship Management (CRM)		PDF Reader In-House Software Development Carbon Optimization Tracker Financial Reporting Automation Drone Inspections Lead Generation Customer Loyalty Program
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	☐ Supplier Relationship Management (SRM)	✓ Sales RFQ Automation (RPA)
	Tech Pubs Revision Automation	☐ Technician CMM AI Assistant
	Outsourced Engineering Team	Outsourced ERP Selection Process
	Technical Records Digitization	☐ Business Data Mapping
	☐ Digital Task Card	☐ ICP Scraper
	☐ Shopfloor Process Improvement Software	
Contact sales: dtautges@componentcontrol.com		

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