



Advanced Manufacturing Software Solutions





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Simplify your process with us



3D Control Systems' ZAP is an end-to-end, fully automated software platform purpose-built for advanced manufacturing driving operational efficiencies for customers.

We connect and integrate your hardware and software systems in a fully automated digital process that delivers simplicity and efficiencies.



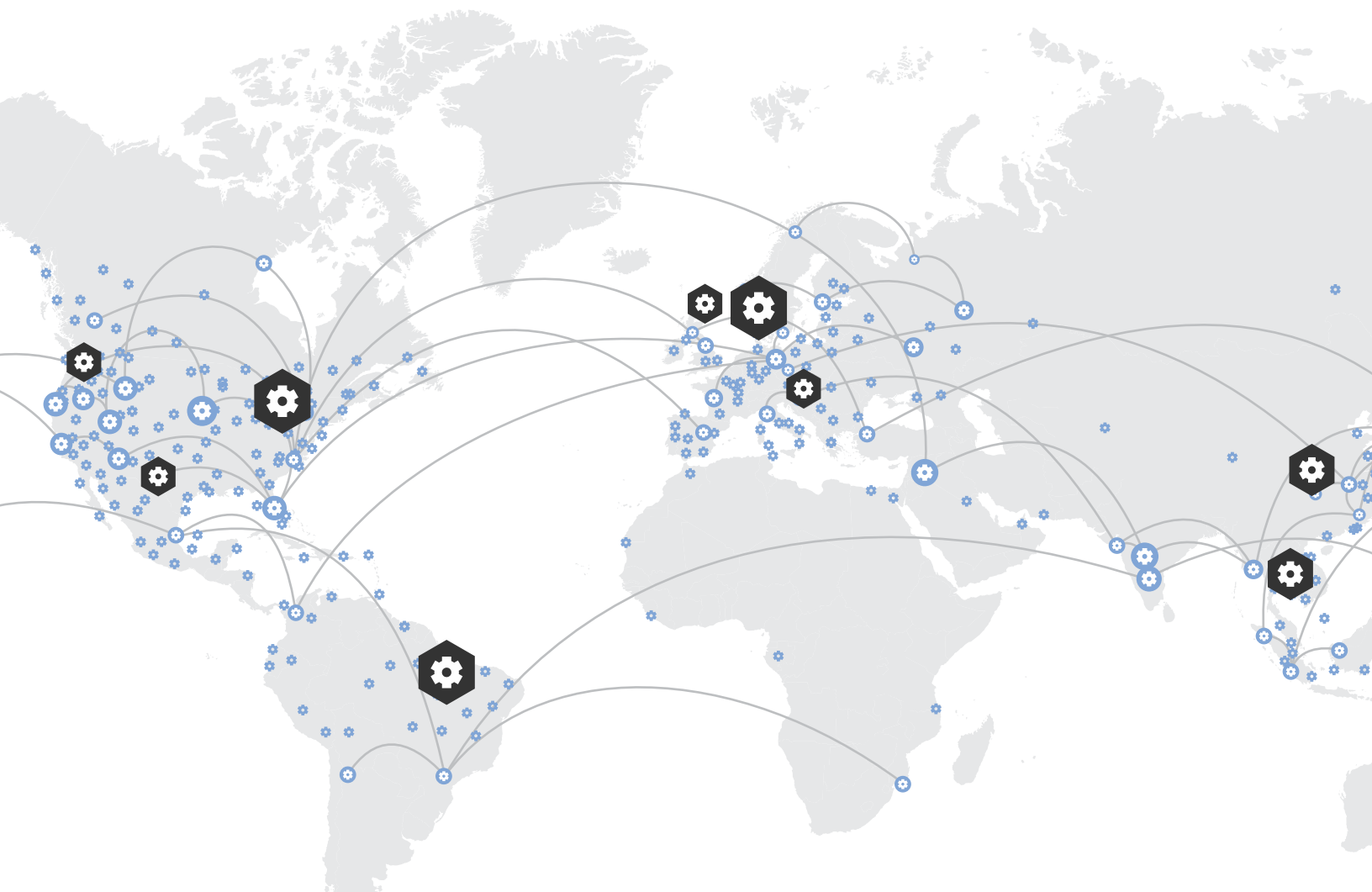
Connect



Integrate



Automate



A connected modular platform



World-class, unique platform designed to suit your production needs today and into the future, simplifying your printing process with connections everywhere, anytime.

Digital Inventory

- Design revisions
- Integration to design software
- Material management
- Comparison of like-technology

Manufacturing

- Automated production
- Capture telemetry data
- Job status
- Recording part process for part passport for traceability

Scheduling

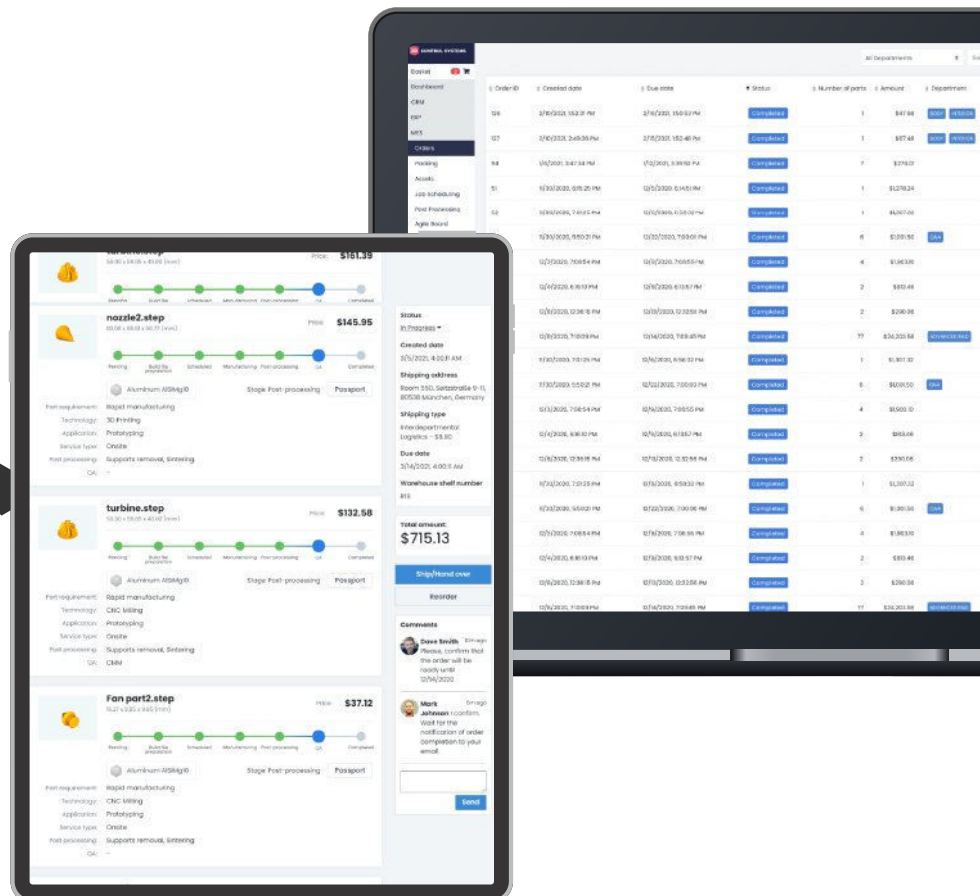
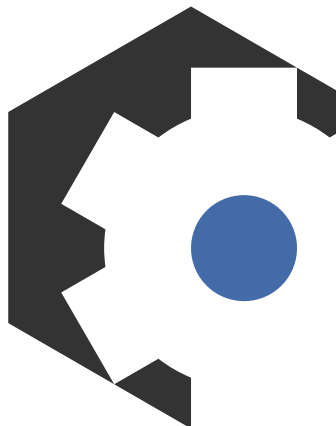
- Easy scheduling of manufacturing
- Post processing, & QA
- Maintenance tracking
- Part track & trace

Integrations

- Integrate into 3D Printers, robotics, CNC
- Design & simulation software
- Build prep & slicing packages

Order Management

- Design quoting and costing
- Manage orders through delivery
- Customer database
- Part passport (history)
- Operations dashboards

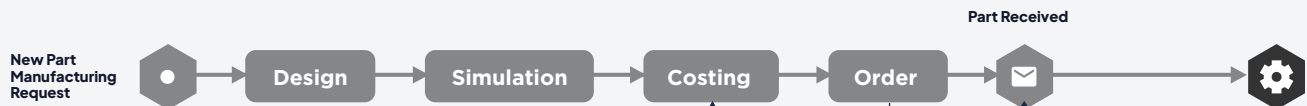


Zero Latency Autonomous Platform for Advanced Manufacturing



Product Department

Designer / Engineer



Advanced Manufacturing Department

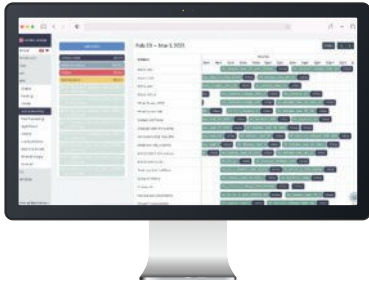
Production Engineer



Additive Manufacturing Workflow Software

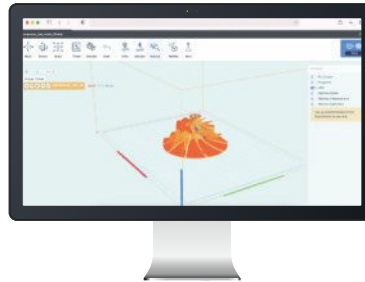
MES + PLM + ERP + QA + CRM

Powered by AI



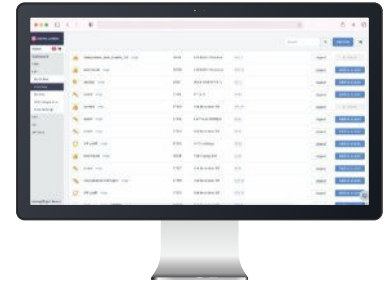
MES

- Custom AM Workflows
- Smart Part Prioritization
- Smart AM Farm Management
- Post Processing Scheduling
- Digital Production Planning
- Part Sequence Tracking
- Production Sheet Generation
- Part Passport Generation
- Quality Assurance
- Machine Connectivity
- Data Standardization



PLM

- Custom Part Requirements
- Automatic Order Management
- Material and Technology
- Comparison
- Accurate Part Pricing
- Custom Part Pricing
- Digital Communication
- Streams
- Distributed Manufacturing
- Networks
- 3D Printer Management
- CNC Mill Management
- Material Management
- Technology Management
- HR Management
- User Management



ERP

- Digital Part Inventory
- Manufacturing Process
- Suggestion (AI) Beta
- Manufacturing Templates (AI)
- Use Case Screening
- Inventory Analysis
- Centralized Data Storage
- Printability Analysis
- Orientation Optimization
- Project Collaboration
- Version Control
- CAD Integrations
- Part Tagging



QA

- QA Scheduling
- QA Process Management
- QA Equipment Management
- CT Scan to CAD Comparison (AI)
- QA Machine Connectivity

CRM

- Customer Quote
- Management
- Customer Success Tracking
- Expense and Order Tracking
- Customer ROI Calculation

485%

Cost Savings

Save time and money with workflow automation

77

Throughput Increase

Unlock utilization and OEE

2
months

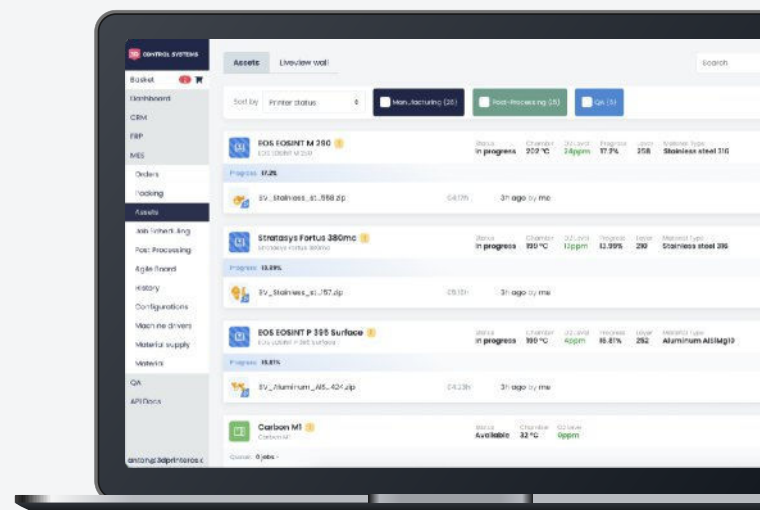
Return of Investment

For our customers the average ROI is under two month

Partnership Ecosystem

Data enrichment and automation through integration with market leaders in CAD, metrology, post processing and advanced manufacturing machines, such as 3D printers, CNC mills, CNC lathes, sheet metal bending, waterjet cutting, laser cutting, wire EDM, investment casting, urethane casting, die casting, injection molding and more.

	SIEMENS	
	ORACLE	Carbon
		
	Ansys	





Visit our website to know more

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