



aeroDNA^{sp}

smart manufacturing software
for aerospace special processes



Who are Valuechain?

We provide smart manufacturing software to build world class supply chains. Our productivity, collaboration and intelligence solutions enable organisations to improve competitiveness and become Industry 4.0 ready.

What is AeroDNA^{sp}?

We recognise that every SME has its own DNA and that a one-size-fits-all solution is not what an SME really needs. A completely bespoke solution would be too expensive and high risk, so our innovative approach is to combine the best of both, with a system that can be easily configured to a company's DNA to streamline operations from quotation through to invoicing.

AeroDNA^{sp} is our premium Production Control solution developed specifically for aerospace special process companies, in accordance with Nadcap and AS9100 accreditation requirements and SC21 best practices.

AeroDNA^{sp} has the flexibility to be configured to the needs of a range of metal finishing companies, from platers to heat treaters, anodisers to powder coaters.

It can be easily tailored to best suit your company and installed with minimum disruption to business processes.

SALES ENGINEERING

- RFQ processing, estimating, quotation generation

SALES ORDER PROCESSING

- Contract review, order acknowledgement & scheduling

PURCHASE ORDER PROCESSING

- Purchase requisition list, create & manage purchase orders

INVENTORY MANAGEMENT

- Goods-in stores, raw material, WIP & finished goods

DELIVERY MANAGEMENT

- Despatch & certificate of conformity generation

CUSTOMER INVOICING

- Auto-generated invoices

PRODUCTION ENGINEERING

- Labour, material & tooling planning, configuration management

WORKS ORDER PROCESSING

- Create job card & technical documentation

PRODUCTION PLANNING

- MRP, capacity management & customer service level planning

SHOP FLOOR DATA CAPTURE

- Real-time data collection for WIP tracking & job costing

QUALITY

- Calibration, supplier register & non-conformance management

HUMAN RESOURCES

- Time & attendance
- Skills matrix

FINANCIAL SYSTEMS INTEGRATION

- Automated sales & purchase ledger
- Supplier credit management

Key features include...

 streamlined Nadcap & AS9100 compliance

 customer & internal specification management

 customer service level planning

 complex resource planning

 job splitting & grouping

 comprehensive quality control

 laboratory analysis

 shop floor data capture

 first article inspection reports

 job costing

 advanced business reporting

Why AeroDNA^{sp}?



STREAMLINE OPERATIONS *Automate and control your business operations*

Advanced business reporting

As well as a library of best practice reports, anyone in your team can easily generate highly customisable real-time reports and performance measures that can be accessed anytime anywhere using mobile devices.

Comprehensive solutions configured to your DNA

Streamlining all of your business processes from Quotation through to Invoicing using one integrated solution.

Intuitive planning & control

From simple manual planning boards through to automated finite capacity planning solutions...we have a solution to meet today's needs and tomorrow's ambitions.

Integrated shop floor data capture

Simple user interfaces for production teams to track job progress & record actual hours. Control the splitting of batches and management of internal non-conformances.

Quick & easy to implement

With hundreds of successful implementations, our proven implementation process reduces time, risk and cost. The intuitive user interfaces ensure your team can start benefiting from streamlined processes very quickly.

Improve supply chain performance

Automated supplier order book reports and performance dashboards to monitor order book status, spend analysis, quality and delivery performance.

Reduce costs

Reduce non-production labour costs through automated paperwork generation. Drive plant and workforce productivity through improved resource planning and reduced waste.



CONTINUOUSLY IMPROVE *Remove waste & drive business excellence*

Improve delivery

Proactively manage customer order books and maintain latest requirement dates whilst tracking history of any schedule changes.

Increase productivity

Continuously improve overall equipment effectiveness (OEE) of all key resources through improved scheduling and performance monitoring.

Improve quality

With full traceability and extensive quality performance monitoring, you can quickly identify areas that need to be investigated and embed preventative measures.



ACCELERATE GROWTH *Maximise customer opportunities & increase profitability*

Maximise customer opportunities

Analyse quotation win/loss statistics to understand which customers & which products to focus how you can quote competitively whilst still generating target margin.

Differentiate with Valuechain

Offer customers secure, personalised dashboards providing real-time access to performance measures, reports & order book status, whilst retaining full-control of shared information.

Increase profitability

Integrated job costing to gain accurate knowledge of all operating margins & true product costs enabling you to improve margins and react quickly in the market to beat your competition.

Maximise resource utilisation

Our solutions enable you to ensure your priority resources are effectively loaded to minimise capacity bottlenecks and maximise throughout.

Strategic planning

What if analysis to model future capacity profiles based on forecasted customer order books or model the impact of new plant acquisitions or recruitments before committing costs.

Transform your business...

All of our business improvement solutions can be fully integrated with our production control solutions so we can offer business intelligence capture, mobile auditing, new product introduction tools and much more.



Streamline Operations

Simplify & automate complex business processes.



Grow Your Order Book

Build customer loyalty through transparency.



Continuously Improve

Capture, analyse & action improvement opportunities.



Improve Communication

Share smart dashboards.
Manage team activities.



Supply Chain Collaboration

Connect with network partners.
Capture & share data securely.



Supply Chain Intelligence

Capture, analyse & share data to improve network performance.



Go Mobile

Capture & share intelligence using mobile devices.



Big Data Made Easy

Integrate all your systems.
Analyse data quickly.



Manage Risk

Capture & analyse risk. Manage mitigating activities.

Join Valuechain

Valuechain works hard to build close, long-term relationships with its customers. When you purchase a solution from us, you buy into a partnership with our dedicated team who work to ensure you achieve maximum return on your investment.

We offer support via phone, on-line remote access, support forum or on-site.

Join the growing list of global advanced engineering companies who are happy to depend on us. Visit our website or contact us to find out more...



valuechain

info@valuechain.com

www.valuechain.com

The Innovation Centre, Sci-Tech Daresbury
Keckwick Lane, Daresbury
Cheshire, WA4 4FS

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