



MANUFACTURING ERP & MES SOFTWARE

Brochure



A NOTE FROM CHERI WILLIAMS

DELMIAworks CEO



Manufacturing's inflection point is here along with an abundance of opportunities to grow and realize their most ambitious goals. Manufacturers need real-time, instantaneous visibility, collaboration and communication to digitally transform themselves for the future and be ready for exciting new opportunities for growth. Dassault Systèmes' DELMIAworks® provides manufacturers with a comprehensive ERP system purpose-built to help them excel at product quality and improve shop floor productivity while improving communication and collaboration.

The DELMIAworks ERP system is built specifically for manufacturers and backed by extensive support and educational services, which have earned us recognition in industry reports and numerous business awards. As part of the Dassault Systèmes **3DEXPERIENCE** platform, we can provide customers with new approaches to achieving operational efficiency and effectiveness, all while expanding our global reach.

Our mission continues to be forming long-term partnerships with customers based on trust, support and bottom-line, measurable ROI. Global manufacturers trust DELMIAworks to develop products that meet their needs in a rapidly changing manufacturing environment.

At DELMIAworks, our manufacturing experts are committed to ensuring every customer achieves their goals in every aspect of their business. We measure our success by our customers' outcomes and look forward to leading the digital transformation of mainstream manufacturing well into the future.

Cheri WILLIAMS

A stylized, handwritten signature in black ink, appearing to read 'Cheri Williams', with a long horizontal flourish extending to the right.

DELMIAworks CEO



KNOWLEDGE, EXPERIENCE AND EXCELLENCE

Since 1989, IQMS — now DELMIAworks — has been providing powerful enterprise resource planning (ERP) software solutions that enable manufacturers to operate more efficiently and more profitably than ever before. Based upon decades of manufacturing experience, DELMIAworks has developed the most comprehensive and effective ERP solution available. The powerful, wide-ranging solution, combined with a deep commitment to customer satisfaction, is why DELMIAworks has one of the highest customer retention rates of any ERP provider.

AN INTELLIGENT, COMPREHENSIVE APPROACH

MODULES WORKING TOGETHER

Because all modules are designed, developed, and supported by DELMIAworks, they operate as a powerful and cohesive solution. The innovative DELMIAworks system is capable of handling all your extended ERP needs with a single database – all without the need for expensive third-party software interfaces. This enables a truly streamlined approach to helping manufacturing enterprises stay lean.

POWERFUL, ACCESSIBLE TECHNOLOGY

DELMIAworks designs its powerful modules for those who use it most: employees. The familiar Windows® environment and intuitive graphical interfaces are so simple to learn that training costs are typically a fraction of the fees associated with most ERP providers.

CENTRALIZED DATA ENGINE

The DELMIAworks total solution eliminates the complexity and cost of managing multiple databases. The Oracle® powered database is embedded in the DELMIAworks system, delivering seamless utilization while centralizing business activity across your entire supply chain. That means complete access for accurate and current information to everyone at all times.

INDUSTRY KNOWLEDGE

Active memberships in organizations such as APICS, Automotive Industry Action Group (AIAG), APICS, OESA, PMA, MDMA, and MAPP help DELMIAworks keep current with the latest manufacturing issues facing its customers. DELMIAworks is committed to addressing the ever-changing compliance landscape with modules that adhere to some of the industry's most stringent requirements such as:

- ISO standards
- ISO TS automotive standards
- FDA requirements
- GAAP accounting standards
- Sarbanes-Oxley requirements
- IFRS financial reporting compliance



CORE ERP MODULES

Innovative Solutions

DELMIAworks delivers solutions that help manufacturing enterprises stay lean, agile, and competitive. We streamline processes across discrete, repetitive, and batch process manufacturing environments, whether built-to-order or build-to-stock supply chain models.

Manufacturing/Shop Floor Planning

DELMIAworks provides a complete manufacturing and shop floor planning system with all the tools necessary to manage production across one facility or multiple plants. That means users can make instant decisions based on the total production picture. Meanwhile optimized scheduling identifies the best start time for each job and any constraints that may affect delivery.

Sales and Distribution

DELMIAworks's sales and distribution modules allow immediate response to customer inquiries, order status, history, and tracking. Requests, such as advanced shipping notices and multiple shipping destinations are easily addressed. Part number cross references, commissions, and commodities are readily obtainable, and information is always available.

Financial Management

DELMIAworks makes financial management easy and flexible by providing seamless access to data from sales, distribution, and manufacturing. Intuitive drill-down capabilities allow quick and accurate data analysis. Additionally, the comprehensive accounting and general office management system conforms to all generally accepted accounting principles and supports multiple companies, profit centers, and currencies.

Industry-Specific Design

The DELMIAworks system was designed for various manufacturing environments, supporting the philosophy that speaking the industry language is the key to success. That's why it comes standard with robust functionality for several industry specific needs. DELMIAworks meets the unique requirements of all manufacturers, including unlimited unit-of-measure conversion, production by length or weight, waste material, family tools, dispatch lists and more. It's easy to mix and match industry types to best suit your environment.



DELMIAworks

A POWERFUL ERP SOLUTION

Maximizing Supply Chain Efficiencies

DELMIAworks plays a key role in supply chain management by ensuring efficient electronic communication, streamlined production, accurate labeling and distribution, and the ability to meet the dynamic needs of customers and suppliers. DELMIAworks brings it all together for you, seamlessly.

Modular Approach Tailored to Your Company Needs

Start with one of our many base systems, including versions for small, single-site facilities; large multi-plant, multi-language facilities, and the facilities that are in-between. All of these options are built with a comprehensive solution that features manufacturing and inventory control, sales and distribution, and financial management. Then add enhancement modules to best meet your company's specific requirements – what you need when you need it, allowing the system to grow with your business.

Singular Design and Execution Concept

The DELMIAworks system is conceived, designed, executed, and supported with one development vision. This provides total control over future development of the software and eliminates the need for costly third-party applications. DELMIAworks modules come together inherently while other vendors' solutions come together via a contract.



CHOICE IS THE NEW CLOUD

The cloud can be a highly effective deployment model for ERP, but not all cloud options are equal, and for some companies, the cloud may not be the right solution.

The Choice is the New Cloud program features three deployment models for the DELMIAworks system that are designed to support the needs of manufacturing firms. Many of these businesses need to balance costs with the flexibility to meet certification requirements and customize their ERP solution to drive innovation and enhance existing operations. Because the DELMIAworks deployment models enable customers to either own the software or act as a single tenant, manufacturers do not have to compromise on control no matter which choice they make.

- **Software as a Service (SaaS)** is for customers that want to take advantage of the DELMIAworks system on a subscription basis. The deployment runs in DELMIAworks' secure, robust cloud-based data center. Managed services and support are included in the subscription.
- **Managed Cloud** is for manufacturers that want to own their DELMIAworks license but take advantage of a hosted cloud deployment. Customers purchase a perpetual license of the DELMIAworks system, which is hosted in DELMIAworks' cloud-based data center. Managed services are included as part of the support cost, which is billed periodically.
- **Premise** is for customers that want to run DELMIAworks software in their own data center either directly on servers or in a private cloud. Manufacturers purchase a perpetual license, and support is billed periodically. Managed services are optional.

In guiding manufacturers to choose the right deployment option for their business, DELMIAworks works with companies to answer key questions that will affect their decisions.

INDUSTRIES SERVED

AUTOMOTIVE MANUFACTURING ERP SOFTWARE



As a long-standing AIAG member and participant in the eAPQP Work Group, DELMIAworks has extensive knowledge of automotive standards and how to best address your unique industry requirements.

AEROSPACE AND DEFENSE MANUFACTURING ERP SOFTWARE



Avoid the turbulence with industry-specific A&D manufacturing ERP software that addresses your unique cost challenges while satisfying your regulatory requirements.

ASSEMBLY MANUFACTURING ERP SOFTWARE



Unlike other ERP vendors, DELMIAworks offers assembly-specific software that fits your business with features, such as dispatch lists, labor reporting, sub-assembly support, and line clearance security.

FOOD & BEVERAGE MANUFACTURING ERP SOFTWARE



From monitoring and controlling quality, to ingredient traceability, shelf-life tracking, and recipe management, DELMIAworks provides food and beverage manufacturers the tools necessary to succeed and flourish.

MEDICAL MANUFACTURING ERP SOFTWARE



The comprehensive DELMIAworks ERP solution provides a host of critical capabilities medical device manufacturers need to succeed, such as compliance with FDA and other regulatory requirements, lot and serial tracking, and manufacturing traceability, among others.

GENERAL, CONSUMER, CONTRACT AND MULTI-PROCESS MANUFACTURING ERP SOFTWARE



Whether you use a build-to-order or build-to-stock supply chain model, DELMIAworks systematically streamlines processes across process, discrete, and repetitive manufacturing environments.

PACKAGING MANUFACTURING ERP SOFTWARE



DELMIAworks' packaging-specific manufacturing ERP software adeptly handles lot and serial traceability, UPC labeling, pack outs, external and internal document control and BOM flexibility so that your company can improve its operational excellence.



DELMIAworks **YOUR TECHNOLOGY PARTNER**

From the time you make DELMIAworks your technology partner throughout the entire relationship, DELMIAworks specialists are available to assist you wherever you are, in whatever language you speak. We deliver an innovative ERP solution that extends far beyond simply providing software. DELMIAworks is proud to offer its customers one of the best maintenance packages available, featuring:

- Customized goal-oriented implementation plans
- Award-winning “live” support services
- Flexible and varied training options
- Enhancement-driven user meetings and online customer forums
- Free software technology upgrades

RELY ON DELMIAworks

Manufacturers worldwide have been relying on the DELMIAworks system for more than 25 years. DELMIAworks is a trusted source for delivering the most comprehensive and effective ERP solution available, which is why customers continually retain DELMIAworks as their enterprise software provider of choice. Rely on DELMIAworks for all your business needs.



WHAT MAKES DELMIAworks DIFFERENT

The overarching differentiator for DELMIAworks is the unique combination of factory floor process control and monitoring coupled with ERP functionality. Most systems are either ERP or MES; with DELMIAworks, these systems are integrated as one native solution. This integration provides a true, real-time vision and record of the shop floor.

LOWER COSTS THROUGH A SINGLE PLATFORM WITH A CONSISTENT, INTUITIVE INTERFACE

With DELMIAworks, there is a one database and one application to administer, and for users, a single, intuitive interface. It's easier for the users and eliminates data synchronization issues. DELMIAworks lowers the costs and impact of change management across the board.

REAL TIME PRODUCTION & PROCESS MONITORING

The real-time process monitoring of the MES built into the ERP empowers decision-makers to see what is going on the shop floor in real time, and also provides an artifact trail for traceability. By capturing critical information from machines, tools and other instruments, while production is ongoing, as parts are being produced, you can be confident that your production and quality plans are being executed well.

INDUSTRY EXPERIENCE

We realize that our value to you comes from the industry experience of our managers, software engineers, trainers and implementers. The best way to understand your needs and priorities is to have walked in your shoes. This experience enables us to identify the right configuration of our many modules, features and configurations to provide you the best return on your investment.



DETAILED LIST OF FEATURES & FUNCTIONALITY

SUPPLY CHAIN MANAGEMENT

eCommerce Capability
Demand Planning and Forecast
ATP/CTP
Distribution Management
Manufacturing Planning
Web Access
Inter-Company Transactions
Kanban/Heijunka Box
Outsource Central
Shipping Manager

SCHEDULING AND PLANNING

Available To Promise (ATP)
Capable To Promise (CTP)
Forecasting/Planning
Material Resource Planning (MRP)
Master Production Scheduling (MPS)
Infinite and Finite Scheduling
Dispatch Lists
Labor Capacity Planning
Rough-Cut Machine Capacity Planning
Auxiliary Equipment Planning
Tool Tracking
"Runs Best" Optimization

HUMAN RESOURCES

Workforce Management
Payroll
Time and Attendance
Training & Skill Tracking
Resume and Performance Library
Skill Match Capability
Expense Tracking
Employee Self-Service Portal

SALES, ORDER, AND DISTRIBUTION MANAGEMENT

Customer Relationship Management (CRM)
Sales Quotations
Sales Orders
Release Accounting
Packing Slips & Shipping Management
Labeling & Barcoding
Web Portals
Distribution Centers
Warranty Tracking
Product Configurator
Return Material Authorizations (RMA)
Multiple Price Books
Certificates of Conformance
Sales Commission Management

WAREHOUSE AND INVENTORY MANAGEMENT

Inventory Control
Location Management
Kanban/Heijunka Box
Serialized Inventory Control
Lot Tracking
Inter-Company Transactions
Labeling
Scanning
Consignment
Transaction Auditing
Non-Conformance Review

PROJECT MANAGEMENT

Job Shop
Complete Project Accounting
Financial Tracking

SHOP FLOOR CONTROLS

RealTime Machine Monitoring
Shop Floor Data Collection
Exception Alerts
RealTime Process Monitoring
RTStation

MANUFACTURING

Quoting/Estimating
Bills of Material/Routings
Preventative Maintenance
Production Orders
Production Reporting
Project Management
Material Management
Job Shop
Assembly Line Processing
Tool Tracking
Process Costing
Equipment Automation

UTILITIES

Multi-Language
Multi-Plant/Company
Trace Tracking
Email Messaging
Automatic Report Generation
Business Activity Monitoring
Workflow
Shipping Company Interfaces
Complete Role-Based Security
User-Customized Views

FINANCIAL MANAGEMENT

General Ledger
Accounts Receivable
Accounts Payable
Electronic Transaction Processing
Fixed Assets
Invoicing
Purchasing
Multi-Company/Entity
Multi-Currency
Bank Account Maintenance
Credit Card Processing
Multi-Budget Capacity
Standard & Actual Costing

QUALITY

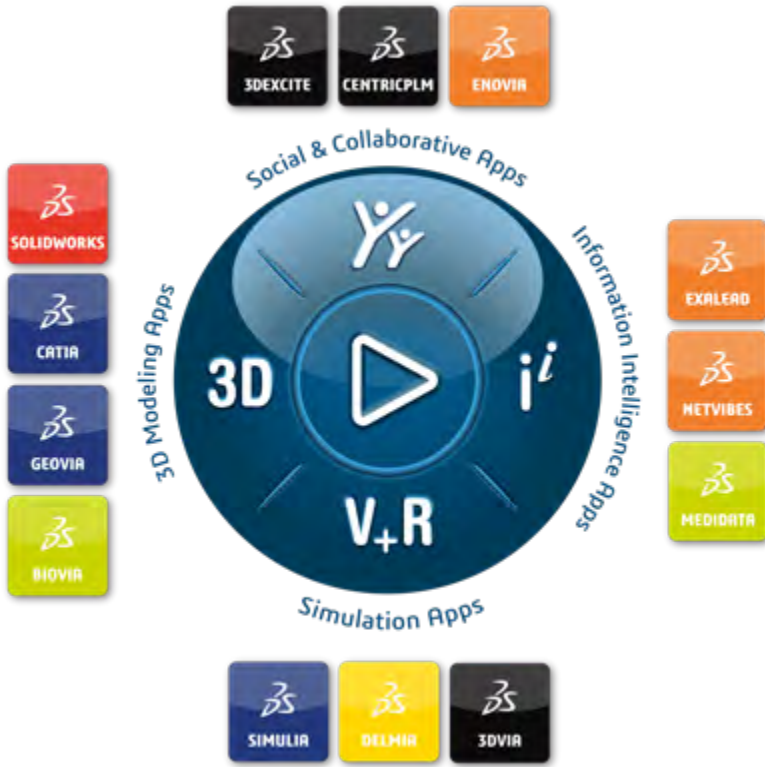
Audit Module
Cost of Quality
Advanced Product Planning (APOP)
Process & Product Quality (PQ)
Corrective Actions (CAR and CAPA)
Document Control
Engineering Change Order (ECO)
Material Review Board (MRB)
Part Dimension Setup & Gauges
Statistical Process Control (SPC)
Deviations/ Non-Conformances
Quick Inspections
Production Part Approval Process (PPAP)
Control Plan
Failure Mode and Effect Analysis (FMEA)
Risk Assessment
Product Lifecycle Management (PLM)
Device History Record (DHR)
Embedded Electronic Signatures

EDI/ECOMMERCE

Inbound and Outbound Transaction Sets
Transaction Mapping and Data Merging
Extensive Trading Partners
Web Portal Access
Flat File Import
XML Transactions
Automatic Transaction Processing
eKanban Tracking
Non-Conformance Review

MOBILITY

Tablets
Smartphones



Our **3DEXPERIENCE®** platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE** Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our **3DEXPERIENCE** platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.

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