

Apriso Mobility Solution for Manufacturing

Manage Operations from Anywhere, at Anytime

The manufacturing world is going mobile, and no wonder. With mobile devices, workers and managers are no longer tethered to their workstations. Instead, they can go where the action is, collaborate on the plant floor or the warehouse, and work with their teams to communicate and solve problems faster. Until now, going mobile required making a significant effort by IT. Expanding access to complex Manufacturing Operations Management (MOM) systems from mobile devices has been costly and time-consuming, and for many, a security challenge.

Based on years of development experience, Dassault Systèmes now offers – through Apriso products, now part of its DELMIA brand – a complete suite of applications that run on each of the leading tablet or other mobile devices. The Apriso Mobility solution enables anytime visibility and control to manufacturing operations with a solution comprising Microsoft Windows 8, Apple iOS and Google Android applications. Each of these apps can deliver mobile access to any Apriso solution across the entire manufacturing enterprise. This proven solution, now used by many leading global manufacturers, lets you move quickly to the mobile platform of your choice, while minimizing your time and IT investment.

By implementing an Apriso solution, you can benefit by achieving greater productivity, lowering costs, and improving collaboration. Leverage the widest application footprint in the industry—covering quality, production, warehouse, and time & labor—to enjoy the full power of mobility across all of your manufacturing operations.

Accelerate Deployment of your Mobile Solution

The key to an Apriso solution is the ease of deployment and management. With Apriso, you can start using your existing solution on mobile devices with virtually no extra effort. That means you can quickly and easily build mobile functionality without learning new technology—simply use the powerful Business Process Management (BPM) capabilities inherent with every Apriso application. The same MOM capabilities you author in BPM are available for both desktop and mobile users. That means no extra skills or development effort is needed to add mobile access to your Apriso applications.

What's more, you have complete freedom to select the mobile platform of your choice. The Apriso Mobility solution supports Apple, Google and Microsoft platforms. Alternatively, any HTML-enabled mobile device can also be used. See Figure 1.

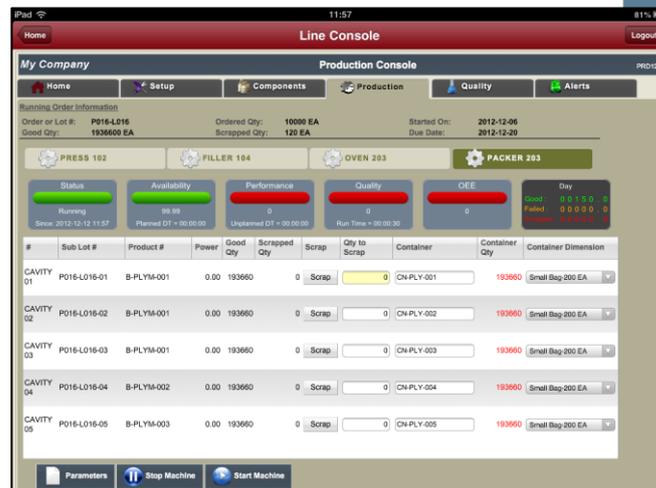


Figure 1: Plant floor application.

Why Apriso?

- Proven solution used by leading global manufacturing enterprises
- Practical and cost-effective
- Easily deployable with minimal IT involvement
- Leverages full power of Apriso, throughout the enterprise
- Covers the industry's widest footprint, across operational silos and facilities
- Improves decision-making and support with mobile access to enterprise manufacturing intelligence with a real-time architecture
- Untethers workers from the desktop
- Enhances collaboration whenever and wherever needed
- Helps synchronize operations across operations
- Improves agility of manufacturing teams, allowing them to better collaborate, closer to operations without losing touch

A Comprehensive Mobile Solution

- Supports Microsoft Windows 8, Google Android, Apple iOS
- Native apps for email, camera, 3D viewer, Bluetooth, document browser and many more
- Platform-agnostic with HTML UI
- Supports executive and plant-floor roles
- Complementary to Apriso Web Portal
- Runs any BPM-authored flow without extra effort
- Direct machine connectivity and data visualization from the mobile device
- Can provide personalized and contextualized (e.g. location) experience
- Execute any user flow/process configured in the system
- Security and role based access
- Support for multiple languages

Full Access to Apriso Solution Capabilities

The Apriso Mobility solution provides all the capabilities of an Apriso MOM solution, delivered to the mobile device of your choice. Apriso MOM functionalities can therefore be executed on a mobile platform. This includes not only end user applications, but the ability to build user interfaces with native, embedded BPM, handling machine connectivity, managing security, and all the other functions of Apriso applications.

“As a worker at Alstom Transport moves ahead in his routine, he can check at any time directly on his pad [mobile device] any documentation related to his activities, and declare the task finished or on hold when relevant.”

Leverage Manufacturing Intelligence

The Apriso Mobility solution makes high-quality manufacturing intelligence truly mobile. This solution delivers full access to Apriso Manufacturing Process Intelligence (MPI), each of the available Intelligence Packs, as well as other global EMI applications. Apriso captures information from across a plant or the enterprise in near real-time, formats and normalizes the data for consistency and accuracy, and delivers meaningful reports to every level of user. Now you can deploy this powerful visibility solution to mobile devices as well as the desktop, helping to unleash the full potential of mobility in manufacturing

The Industry’s Widest Footprint

Apriso applications offer the widest footprint in manufacturing, providing a single, integrated offering for Quality, Production, Warehouse, Maintenance, and Time & Labor operations management. Our Mobility solution lets you leverage this footprint to its fullest. You have visibility into every corner of your operations, and across all functional domains.

Dedicated Mobile Apps

Apriso provides dedicated apps to leverage built-in hardware and software features of your mobile devices. For example, you can use Bluetooth scanners with a mobile device in the warehouse, on the shop floor, or on the shipping dock to quickly capture information. Quality inspectors can take a picture, mark the defect location, and upload to the Apriso database for quality analysis.

Supported mobile functionality includes Maps, Email, Document & Picture viewing, 3D viewer, Sensors (e.g. NFC), GPS, Cameras, Touchscreen, and Bluetooth.

For Every Level of User

Just like Apriso for the desktop, Apriso Mobility solution can be used by anyone in the enterprise. Apriso customers use this solution on the plant floor for improved execution, control and collaboration, all the way up to the corner office for global visibility and decision-making. Since the solution is cost-effective and easy to implement, there is no barrier to who can use it in your enterprise. See Figure 1 for a screen shot used by a shop floor worker; Figure 2 shows a dashboard that could be used by Executive users.

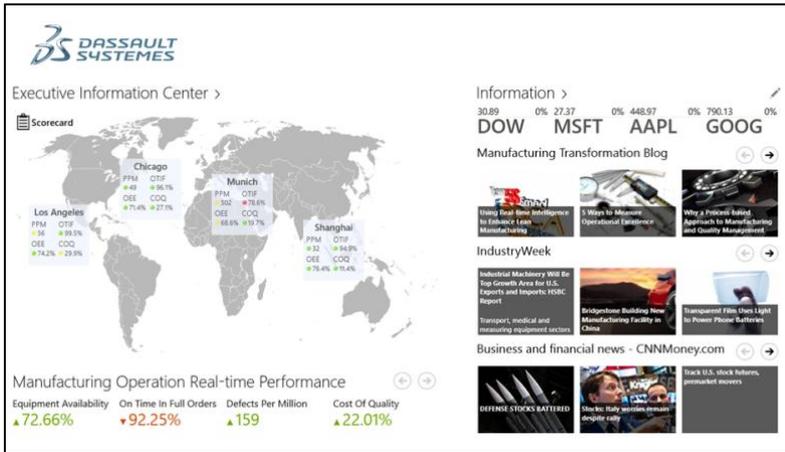


Figure 2: Executive Information Center

The Services to make it Happen

Apriso Mobility solutions are now being successfully deployed by industry leaders around the world, so you benefit from this best-practice experience with a smooth implementation and rapid ROI. DELMIA Apriso Professional Services include:

- Design and implementation of the underlying Apriso applications, which can then be accessed by your employee's mobile devices
- Design and implementation of pre-configured interfaces to 3rd party systems (ERP, PLM) to readily exchange intelligence, which can then be actively relied upon to respond quickly to change
- Considerable breadth of a Mobility solution, with capabilities to support manufacturing, warehousing, quality, maintenance and labor activities

Implementation Support from Start to Finish

You benefit from Dassault Systèmes' best-practice experience with smooth implementation and rapid ROI. With DELMIA's Professional Services team dedicated to Apriso implementations, you can leverage the knowledge and expertise of the undisputed industry leader in global MOM deployments, with many customers now running Apriso at 30, 40 and 50+ sites. This Professional Services team has served nearly 100 different global manufacturing clients, representing some of the largest and most profitable enterprises in the world.

Mobility at Work

Global manufacturers use Apriso to gain mobility across their enterprises. Here are several common uses:

Plant managers can spend more time on the plant floor and less time in the office. Direct contact and interaction with floor operations improves efficiency and problem-resolution.

Maintenance workers use tablets to access documentation, view equipment records, and other information. Alerts reach maintenance teams instantly, the moment problems occur.

Quality inspectors use tablets to improve and speed inspections. They can indicate where a defect exists on a part simply by touching their screen.

Regional managers on a plant visit can instantly call up information from other plants and compare statistics.

Manufacturers are eliminating electronic workstations in production lines, saving space and reducing costs by providing line workers with mobile devices.

Putting It All Together

Manufacturers are turning to mobile solutions to help them manage their operations more efficiently, whether on the plant floor or the executive suite. Now Apriso makes the move to mobile easy, fast and cost-effective with our Mobility for Manufacturing Solution, ensuring the right visibility and control is available as you need, when you need it, and where you need it. Our solution has been proven at some of the largest manufacturing enterprises in the world

Now is the Time for Mobility in Manufacturing

- See essential information, contextualized for each user's role and needs
- Capture and analyze data you can trust
- Make better decisions, faster
- Implement changes by directing and deploying processes centrally
- Keep pace with product, market and organizational change

All the Power of Apriso at Your Fingertips

- Identify best practices and deploy globally
- Improve visibility into, control over and synchronization across operations to manage customer orders and service levels more effectively
- Use cross-silo analysis to pinpoint trends in quality fluctuations resulting from production changes
- Support systematic and ad hoc Quality Control initiatives
- Comply with regulatory requirements

Apriso solutions offer the widest possible footprint for management visibility – across your entire enterprise. Performance is optimized across all aspects of the extended value chain, including your people, materials, machines and processes – and those of your suppliers. By transferring real-time data, signals, alerts, KPIs or business intelligence from any network location to any other location around the world, Apriso solutions empower global manufacturers to respond quickly to strategy shifts, changing market conditions and unexpected events.

About Dassault Systèmes & DELMIA

Dassault Systèmes, the 3DEXPERIENCE Company, serves 170,000 customers across 140 countries, providing virtual universes for sustainable innovation. Dassault Systèmes' DELMIA brand offers products that connect the virtual and real worlds. As part of DELMIA, the Apriso product portfolio helps manufacturers transform their global operations to achieve and sustain operational excellence. Learn more at apriso.com.

Expertise in Manufacturing

Apriso Mobile solution powers the operations of industry-leading manufacturers around the world. The company has extensive experience helping manufacturers meet increasing operational complexity while maintaining brand integrity.

Global clients using these Apriso solution capabilities include leading firms in cosmetics, tobacco, automotive, consumer goods, food & beverage and other industries.

“Today, manufacturers need technology solutions that improve the basic economics of their plant floor operations, extend their operations on a global basis and provide visibility across their enterprise to the executive suite.”

*Sanjay Ravi,
WW Managing Director for Discrete
Manufacturing Industries,
Microsoft*

