

# Equipment Management

- Reduce errors and increase efficiency with electronic procedures
- Access information required for cGMP compliance
- Enable electronic signatures and approvals



*Manage equipment use, status, maintenance, and calibration electronically.*

## Overview

The Syncade MES Equipment Management solution extends plant floor automation by managing equipment use, status, maintenance, and calibration records. You can easily schedule, assign, track, and report all equipment information necessary to meet your compliance requirements, as well as support your asset management strategy.

The Equipment Management solution provides point-of-need verification through wireless handheld devices. It also can improve the efficiency of equipment-related activities, including asset management, calibration, and equipment cleaning.

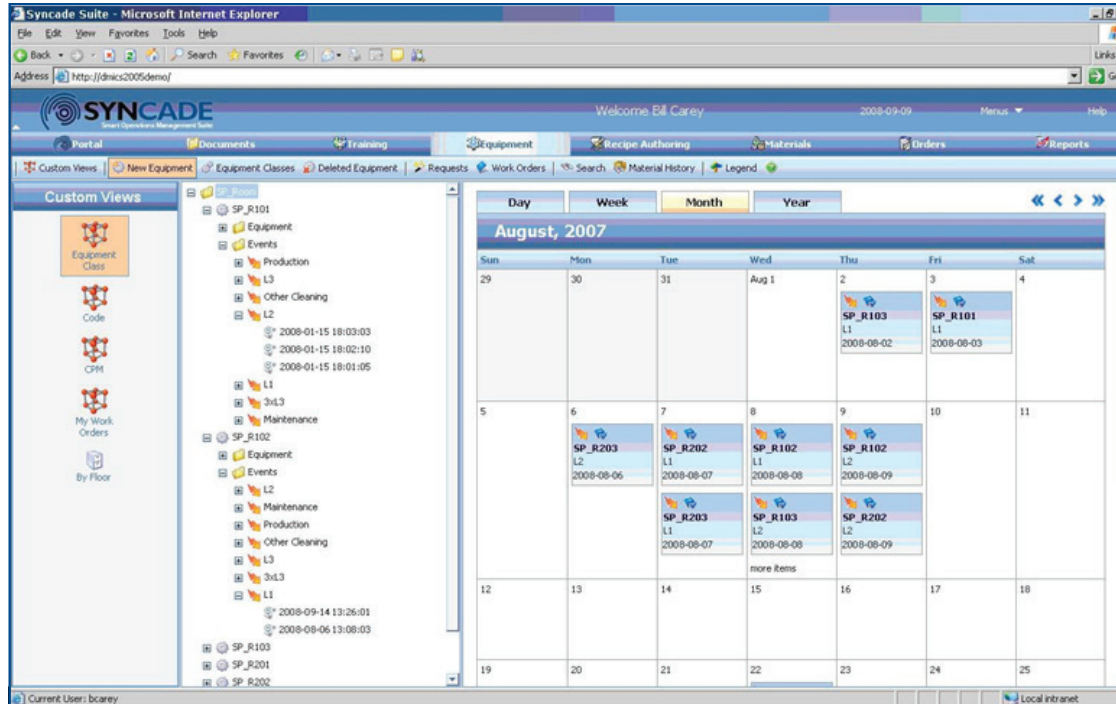
The module delivers the equipment-related information needed to generate an electronic batch record and supports the vision of a paperless manufacturing facility. For those industries under cGXP regulations, Syncade MES is fully compliant with all cGXP regulations, including 21 CFR Part 11.

## Efficient Equipment Tracking

**Automate Record-Keeping.** The Equipment Management solution automates cleaning, maintenance, and calibration equipment management records. It streamlines the time-consuming nature of manual recording-keeping, including the hassle of finding a pen and the frustration of paper sign-offs. You can enable quick review and approval of equipment status, as well as implement electronic signature verification and approval.

**Increase Information Visibility.** Quickly access the equipment information needed to meet your facility requirements. You can track and manage information related to building, suite, and equipment properties and events, such as usage, cleaning, repair, preventive maintenance, validation, and calibration.

**Reduce Process Errors.** Verify equipment status in real-time to ensure equipment or rooms are used only in the proper state.



The calendar view displays scheduled events and upcoming calibrations due.

**Know Equipment Availability.** Always know which equipment is available and ready for use.

Maintenance and calibration workers can record information in real time, saving valuable time and ensuring record accuracy. Equipment Management has a complete view of the operating efficiency of your assets.

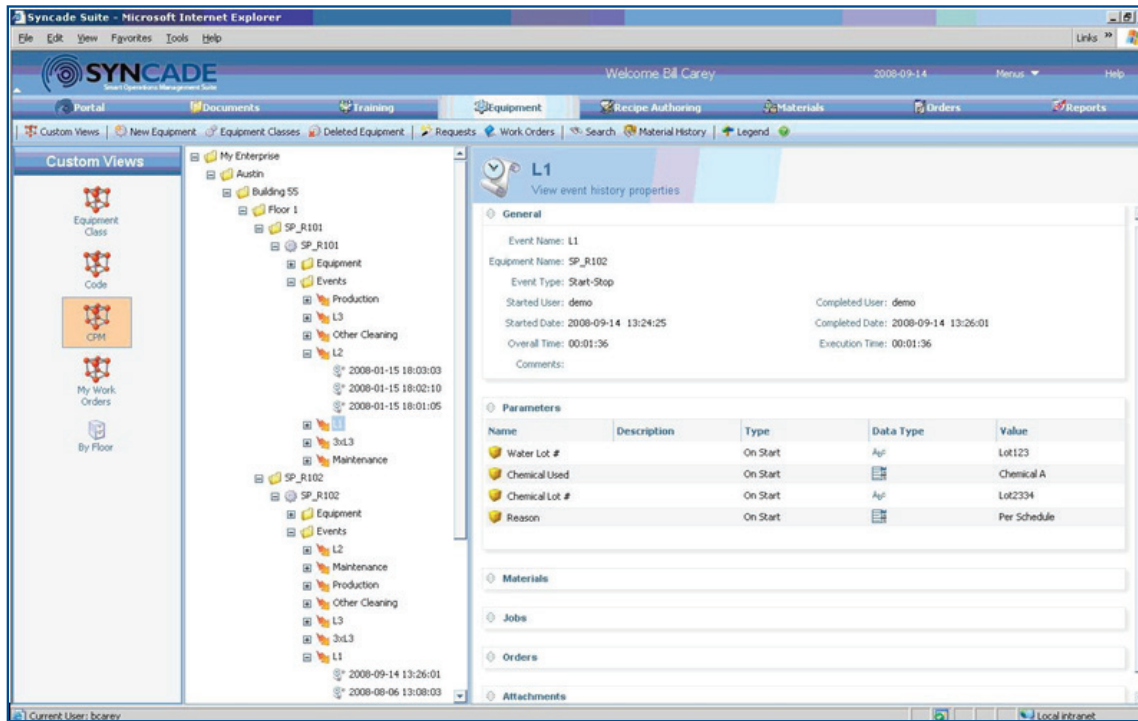
**Prevent Deviations.** The Equipment Management solution helps you prevent deviations related to using incorrect equipment. It reduces the time needed to determine whether the equipment is in the correct state. It can also reduce the resources required to perform QA checks.

**Simplify Validation.** As a zero-client, web-based solution, you can quickly install, validate and deploy the module from a centralized server. Whether tracking hundreds or thousands of instruments and pieces of equipment, you'll be amazed at how quickly and easily you can ensure that all your asset management and regulatory needs are met.

## Complete Solution

The Equipment Management solution delivers building, suite, and equipment information organized logically for quick access. Multiple views of events, activities and status information allow production planning and scheduling to be completed more efficiently. Define and configure equipment states to meet the needs of your facility.

Rules-based workflow enables work instructions to be defined and consistently followed. Operators have guidance to perform equipment event. The Equipment Management solution collects, reports, and maintains all required data for complete traceability of equipment, room usage, instrument calibrations, and shift change reports. Paperless calibration, using wireless handheld devices, enables calibrators to record data at the point of work.



Easily track the current status of equipment in the facility.

## Syncade MES

The Syncade MES supports several Operations Management solutions, including Document Management and Electronic Batch Records. Visit our website to see the complete list of Syncade solutions.

## General System Requirements

One or more network application servers and a Microsoft SQL Server are required to support Syncade solutions. For client access, a PC with Internet Explorer is needed. Please consult the factory for additional details regarding hardware requirements and software versions.

## Ordering Information

Description	Model Number
Equipment Management Solution	DF1003
Operations User - Tier 1 (1-150 users)	DF1209
Operations User - Tier 2 (151-325 users)	DF1210
Operations User - Tier 3 (326+ users)	DF1211

## Emerson

### North America, Latin America:

☎ +1 800 833 8314 or

☎ +1 512 832 3774

### Asia Pacific:

☎ +65 6777 8211

### Europe, Middle East:

☎ +41 41 768 6111

🌐 [www.emerson.com/syncade](http://www.emerson.com/syncade)

©2018, Emerson. All rights reserved.

The Emerson logo is a trademark and service mark of Emerson Electric Co. All other marks are the property of their respective owners.

The contents of this publication are presented for informational purposes only, and while every effort has been made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available on request. We reserve the right to modify or improve the designs or specifications of our products at any time without notice.

