

SOLUTION BRIEF

Nymi Band™ Authentication in DeltaV™ MES

Eliminating Manual Password Entry and Enabling
Hands-free Tap





Nymi is proud to offer secure authentication in DeltaV™ Manufacturing Execution System (MES) using the Nymi Band™.

This integration transforms critical actions like login and electronic signatures into a simple, hands-free tap instead of requiring manual password entry.

Emerson DeltaV™ MES helps life sciences manufacturers optimize production by managing electronic work procedures, equipment, materials, and documentation across the shop floor. By integrating the Nymi Band™ into the authentication workflow, operators can simply tap to authenticate for high-volume actions, such as workstation login and electronic signatures, eliminating the burden of frequent typing of complex passwords.



The Nymi Band™ uses biometric technology to continuously verify the user's identity once worn and activated. This enables quick, secure authentication throughout a shift, even while operators are wearing gloves or other PPE.

Through the Nymi Connected Worker Platform, authentication can extend across DeltaV™ MES and other enterprise systems, creating a more secure, streamlined, and unified operator experience across GxP environments.



Benefits for DeltaV™ MES

Simple to Use

- Secure login and electronic signatures with a hands-free tap of the Nymi Band™
- Works in cleanrooms under gloves and PPE
- A single authentication can persist Nymi Band™ use throughout the shift while worn

Strong Security & Data Integrity

- Continuous biometric authentication tied to the operator
- Eliminates shared credentials and password errors/overhead
- Supports compliance with electronic signature requirements

Productivity & Efficiency

- Accelerates operator workflows in DeltaV™ MES
- Reduces time spent entering passwords or managing credentials
- Decreases IT burden related to password resets and account lockouts



How It Works

Operators authenticate the Nymi Band™ at the start of their shift using their fingerprint biometric. Once activated, the band continuously verifies that it remains worn by the authenticated user through its On-Body Detection system.

When the operator taps their Nymi Band™ to a workstation or device reader, the Nymi platform securely facilitates authentication to DeltaV™ MES, either through middleware or Nymi Connect.

This enables:

- Secure login to DeltaV™ MES
- Creation of electronic signatures for DeltaV™ MES without password typing



MIDDLEWARE

Nymi integrates with enterprise SSO solutions (like Evidian), or offers a software called Nymi Connect, which can securely pass the user's credentials to an application after the user taps their activated Nymi Band™.

The user's credentials are secured at rest and in transit. This avoids the need to integrate Nymi directly into each unique application.












No DeltaV™ MES Upgrade or Application Changes Required

Nymi integrates with DeltaV™ MES environments through authentication middleware or Nymi Connect, allowing organizations to deploy secure authentication without modifying validated Emerson applications or installing Nymi components on the GMP application servers.

This approach avoids changes to production systems while enabling Nymi's authentication capabilities (Biometric, Multi-Factor Authentication) to extend across additional enterprise systems and legacy applications.



Nymi Key Capabilities

-  Secure, hands-free login & e-Signatures
-  Passwordless experience for end-user
-  Supports compliance with FDA 21 CFR Part 11 and EU Annex 11
-  Works with PPE in aseptic environments
-  Uses wireless protocols like Secure NFC/ BLE for the contactless tap
-  Eliminates non-value-added work associated with manual password entry
-  Supports both logical and physical access use cases
-  Provides integrated authentication data across systems
-  Scales tap-based authentication across additional applications and devices

By enabling Nymi Band™ authentication in DeltaV™ Manufacturing Execution System, current and future Emerson customers can eliminate manual password entry from critical shop-floor workflows, while strengthening security, compliance, and the operator experience. The result is simpler user authentication, improved data integrity, and a more seamless experience for deskless workers operating in regulated manufacturing environments.



Connected in Confidence.™

Nymi is an emerging standard for biometric authentication in life sciences manufacturing, enabling secure access to critical systems with a passwordless, handsfree tap.

Its flagship product, the Nymi Band™, is a wearable authenticator that uses on-device biometrics to deliver persistent identity, allowing deskless workers to Tap-to-Login and Tap-to-eSign in compliance-driven workflows.

By simplifying authentication across the shop floor, Nymi supports compliance with 21 CFR Part 11 and EU Annex 11 and is a trusted partner in helping organizations advance their passwordless journey.

For more info, please visit nyimi.com