



OptiZeus SCADA

Version History · New Features · Bug Fixes · Breaking Changes

OptiZeus SCADA v2.5.4 · RN-OZ-001 · © 2026 Zeus Automation

optizeus.org · sales@optizeus.org · 2 pages**NEW** AI Assistant: Added Ollama local LLM support for on-premise pharma deployments**NEW** Alarm Management: WhatsApp and Telegram notification channels added**NEW** ISA-88: PLI (Process Logic Interface) support added to batch engine**NEW** Historian: Batch comparison overlay on trend charts**NEW** Security: MFA/TOTP second factor authentication for all user roles**NEW** Multi-language: Arabic RTL layout support (700+ translated strings)**FIX** OPC UA: Fixed reconnection delay after network interruption**FIX** Historian: Swinging door compression edge case on fast-changing tags**FIX** Alarms: ISA-18.2 flood detection threshold now configurable per area**FIX** Mobile PWA: Offline queue sync improved for unstable connections**v2.5.4**

April 2026

Current Release**NEW** Server Topology: Test → Production → Backup 1-click deployment**NEW** AI Assistant: Claude, GPT-4, Gemini provider support**NEW** GAMP5: 10 auto-generated validation documents via AI assistant**NEW** KPI Dashboard: 6 widget types with custom layout builder**NEW** ISA-88: SFC Sequential Function Chart recipe execution engine**NEW** Reports: Auto-generate PDF/CSV with scheduled email delivery**NEW** Mobile PWA: iOS/Android Progressive Web App with offline mode**CHANGE** Database: PostgreSQL and MongoDB support added**CHANGE** API: REST API now available for Enterprise tier (v1)**FIX** Multiple alarm notification reliability improvements**v2.5.0**

January 2026

Major Release**NEW** HMI: 50+ industrial SVG component library**NEW** Alarms: Alarms overlaid directly on historian trend charts**NEW** Security: LDAP/Active Directory SSO integration**NEW** Historian: 8 retrieval modes including interpolated and average**NEW** ISA-88: Equipment model configuration per S88 physical model**CHANGE** RBAC: 5-level role system (was 3-level in v2.3)**FIX** Modbus: Batch read optimization for large register maps**v2.4.0**

October 2025

Feature Release



NEW Anomaly Detection: Z-score, rate-of-change, flatline AI detection

NEW SPC Charts: X-bar/R with UCL/LCL and Cp/Cpk calculation

NEW Voice Commands: Web Speech API for hands-free operation

NEW Electron App: Desktop kiosk application for touch screens

FIX EtherNet/IP: Worker thread stability on 4 parallel connections

FIX Historian: Memory leak on very high-frequency tag logging

v2.3.0 July 2025 Feature Release

NEW ISA-18.2: Smart alarm flood detection and grouping

NEW Historian: Multi-pane drag-to-zoom trend viewer

NEW Reports: SPC control charts in report designer

NEW Batch: Electronic Batch Record auto-generation

CHANGE Tags: UDT (User-Defined Type) template system introduced

FIX Siemens S7: Batch read optimization — 800+ tags per cycle

v2.2.0 April 2025 Feature Release

NEW Security: IEC 62443 aligned architecture with OT/IT DMZ support

NEW Alarms: Sequence of Events (SOE) with 1ms timestamp resolution

NEW Mobile: First PWA implementation for iOS and Android

NEW API: WebSocket real-time tag subscription (Enterprise preview)

FIX OPC UA: Certificate renewal handling improved

v2.1.0 January 2025 Feature Release

NEW Complete UI rewrite — dark theme, responsive design

NEW WebSocket engine — real-time tag updates all clients

NEW Multi-server topology — Standalone / Test / Production

NEW SQL Server historian integration

CHANGE ■ Breaking: Configuration format changed — migration tool included

CHANGE Node.js v18+ required (was v16)

v2.0.0 October 2024 Major Release

UPGRADE NOTES

v2.4.x → v2.5.x Backup DB first. Run migration script. GAMP5 docs regenerate automatically.

v2.3.x → v2.4.x SVG library updated — custom components may need repositioning.

v2.0.x → v2.1.x Node.js v18+ required. Run: `sudo npm install -g n && sudo n 18`.

v1.x.x → v2.0.x Full migration required. Use v1-to-v2 migration tool at optizeus.org/download.

Full changelog: optizeus.org/docs#changelog · **Download latest:** optizeus.org/download

Upgrade support: sales@optizeus.org · zeus-automation.com

