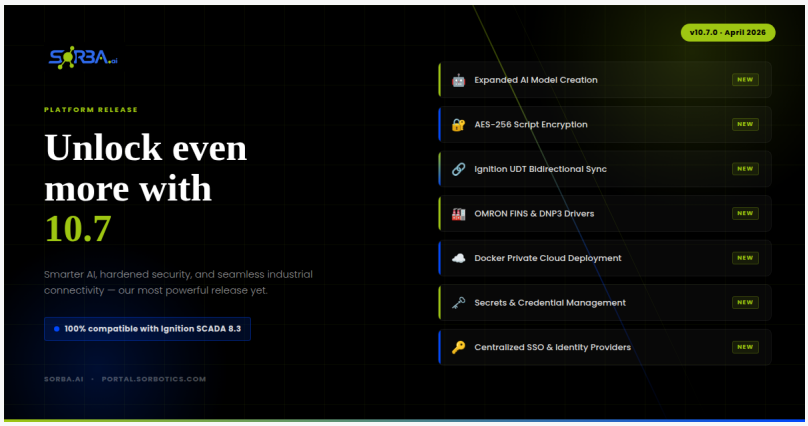
SORBA.ai Releases Version 10.7: Integration with Inductive Automation Ignition SCADA 8.3 & Expanded AI Model Creation

Major release delivers seamless Ignition SCADA, enterprise-grade security, advanced ML algorithms, and private cloud deployment across 17 updated components



SORBA.ai is an industrial AI and IoT platform company delivering unified connectivity, analytics, and machine learning capabilities for manufacturing, energy, utilities, and process industries. The SORBA IoT-Unified platform connects industrial assets, no

JACKSONVILLE, FL, UNITED STATES, April 2, 2026 /EINPresswire.com/ -- SORBA.ai, the industrial AI and IoT platform company powering smart manufacturing, energy, and process industries, today announced the general availability of SORBA IoT-Unified Version 10.7. The release represents one of the most comprehensive platform updates in the company's history, delivering 100% integration and model building capability within Inductive Automation's Ignition SCADA 8.3, military-grade AES-256 script encryption, an expanded AI model library, and a fully guided asset creation workflow across 17 platform components.

Seamless Ignition SCADA 8.3 Integration

For the millions of industrial operations worldwide running Inductive Automation's Ignition SCADA platform, SORBA IoT-Unified 10.7 delivers a first-of-its-kind integration that eliminates the traditional barriers between SCADA data collection and industrial AI analytics. Customers no longer face costly rip-and-replace migrations or complex middleware configurations.

Key Ignition integration capabilities in version 10.7 include:

• Full bidirectional synchronization of User Defined Types (UDTs) between Ignition and SORBA, with automatic asset structure creation that mirrors existing Ignition hierarchies without manual reconfiguration

• Multi-gateway support enabling connection of multiple Ignition Gateways to a single SORBA environment, ideal for multi-site manufacturing operations and distributed plant architectures
• Custom Module Integration allowing Ignition UDTs to connect directly with SORBA AI Trainer modules, enabling predictive analytics on existing SCADA data streams
• Certified compatibility with both Ignition 8.1 and Ignition 8.3 environments, with automatic label normalization and path handling for consistent cross-platform structure processing
• Asset Naming Configuration supporting user-defined asset names within SORBA during synchronization flows, preserving existing naming conventions and OT data governance standards

"Industrial operations have invested heavily in Ignition infrastructure, and they shouldn't have to choose between that investment and the benefits of industrial AI," said Bryan Thyken, Chief Revenue Officer at SORBA.ai. "Version 10.7 makes SORBA the natural AI layer on top of Ignition. No disruption, no rip-and-replace, just immediate AI value from the data you're already collecting."

Enterprise-Grade Security: AES-256 Script Encryption and Secrets Management

As industrial environments face increasing cybersecurity threats, SORBA 10.7 introduces a comprehensive security framework covering script protection, credential management, and identity federation.

• AES-256 Script Encryption securing all node scripts against unauthorized access, with password-based locking and unlocking mechanisms and configurable protection levels per deployment environment
• Secrets Management enabling secure storage and reuse of API keys, tokens, URLs, and credentials across service configurations, eliminating hardcoded credentials from industrial workflows
• Centralized Identity and SSO supporting Google Workspace, Microsoft 365, LDAP, Microsoft Entra ID, Active Directory, Kerberos, OpenID Connect, and SAML2 (Keycloak) — with batch user provisioning, password expiration policies, and Redis-backed session management for enterprise scalability
• Script Protection Mechanisms including editing restrictions, import prevention, and synchronization controls for secured scripts, with encrypted visualization that hides sensitive logic from unauthorized users
• Credential Management API introducing new endpoints for secure credential handling, placeholder rendering, and access token lifecycle management

"Security is no longer optional in OT environments. It's a baseline requirement," said SORBA.ai's Co-Founder and CIO Aldo Ferrante. "AES-256 encryption, enterprise SSO, and secrets management in a single industrial AI platform means customers can now satisfy both OT and IT security requirements without compromise."

Expanded AI Model Library and Predictive Maintenance

SORBA 10.7 significantly expands the platform's machine learning capabilities with new model types, advanced algorithms, and purpose-built predictive maintenance features designed for industrial asset management.

- Predictive Maintenance natively supports Time to Failure (TTF), Remaining Useful Life (RUL), and Potential Failure (PF) classification workflows, enabling proactive maintenance scheduling directly within the SORBA platform without external data science tooling
- Forecasting Algorithm Expansion adds BlockRNNModel, NBEATSModel, NHiTSModel, TCNModel, TransformerModel, TFTModel, TiDEModel, and TSMixerModel to the forecasting library which is among the most advanced time-series forecasting architectures available in any industrial platform
- Digital Twin Algorithms introduce ft_transformer, encoder_pool, perceiver_io, set_transformer, and linear_attention architectures, enabling high-fidelity digital twin modeling for complex industrial assets
- Trend-Based Classification introduces time-series trend behavior as a classification input, enabling anomaly detection and state classification based on behavioral patterns rather than threshold-only logic
- Global AutoML Configuration provides centralized AutoML settings and model configuration persistence, reducing setup time for multi-asset, multi-site deployments
- Query-Based Dataset Creation in SORBA AI Trainer UI allows dataset construction using tag queries rather than manual tag selection, dramatically accelerating model preparation for large-scale operations

"Predictive maintenance has historically required PhD-level data science expertise. SORBA 10.7 changes that equation entirely," noted SORBA.ai's Yandy Perez, Co-Founder and CTO. "Time to Failure, Remaining Useful Life, and Potential Failure detection are now built-in workflows, not custom projects."

New Industrial Drivers and Protocol Support

SORBA 10.7 extends its industrial connectivity library with support for new protocols and significant enhancements to existing drivers, addressing the connectivity needs of discrete manufacturing, utilities, and process industries.

- OMRON FINS Driver delivers native support for OMRON PLC communication, including configurable tag parameters, memory area selection, address offsets, multiple data types (bit, numeric, string), bit-level access, and optional scaling with validation rules
- DNP3 Driver with TLS Security introduces a configurable DNP3 channel supporting TCP/UDP communication, optional TLS with certificate management, and CSV-based dictionary import for automatic tag discovery — critical for utilities and water/wastewater operations
- OPC-UA Batch Subscriptions dramatically improve scalability and data acquisition efficiency for

large OPC-UA deployments, reducing server load and network overhead in high-tag-count environments
• Reference Channel Driver introduces a new channel type enabling Reference Tags as pointers to existing tags across assets, with value and timestamp mirroring, local and global scope filtering, and recursive reference prevention
• 64-bit Integer Support adds ULONG LONG and LONG LONG data types across tag configuration, array items, the Script Engine, Data AutoSync, and the IoT-Unified API which are essential for high-precision industrial measurements

Docker-Based Private Cloud and Deployment Infrastructure

SORBA 10.7 introduces a containerized deployment model for SORBA Cloud, enabling organizations to run the full SORBA platform stack within their own private cloud infrastructure.

• Docker-based containerization enables scalable, isolated SORBA Cloud deployments in Azure, AWS, GCP, and on-premises private cloud environments
• Redis-backed Identity Provider configuration delivers improved performance and scalability for enterprise authentication flows
• MySQL migration support and improved configuration validation enhance database flexibility for enterprise IT environments
• Performance monitoring configuration provides improved visibility in distributed multi-node deployments

Version 10.7 by the Numbers

• 17 platform components updated
• 8+ new forecasting algorithm architectures added
• 4 new identity and SSO providers supported
• 2 new industrial protocol drivers (OMRON FINS, DNP3 with TLS)
• 1 new containerized private cloud deployment model
• AES-256 encryption standard applied across all script assets

Availability
SORBA IoT-Unified Version 10.7.0 is available immediately to all existing SORBA customers via the SORBA Customer Portal at portal.sorbotics.com. New customers interested in evaluating the SORBA platform can request a demonstration through the SORBA.ai website at sorba.ai.

About SORBA.ai

SORBA.ai is the leading no-code industrial AI platform powering digital transformation across manufacturing, energy, oil & gas, water and wastewater, utilities, chemicals, pharmaceuticals, food & beverage, pulp & paper, mining, metals, logistics, and other industrial sectors. The platform enables operators, engineers, and subject matter experts to easily build predictive

models, detect anomalies, optimize production, and deploy autonomous control systems using their own plant data, without requiring data scientists or complex ML infrastructure.

With built-in AutoML, digital twins, advanced process control, and secure on-premise industrial GPT capabilities, SORBA.ai accelerates how organizations unlock value from their existing systems while maintaining full data ownership and security. From edge to cloud, SORBA.ai transforms industrial operations into proactive, self-optimizing environments that deliver measurable gains in reliability, efficiency, and profitability.

Learn more at www.sorba.ai.

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