

Enterprise CMS Development For Global Electronics Corporation: Rescuing A Delayed Project

Teamvoy successfully reached production on time by using a serverless headless CMS architecture.

Book a Consultation

SERVICES

Enterprise CMS development, Custom enterprise software solutions, Serverless CMS customization

INDUSTRY

Manufacturing, Electronics

CLIENT

Global Electronics Manufacturer

ON-TIME DELIVERY DESPITE LATE PROJECT HANDOVER

100%

FULL FUNCTIONALITY MAINTAINED THROUGH EXTENSION-BASED DELIVERY

0% Scope Cuts

ut time-to-market 40% with AI-supported engineering.

See how a FinTech cut time-to-market 40% with AI-supported engineering.

See how

Summary

A global electronics manufacturer was at risk of missing a key delivery milestone for a time-critical platform built on Webiny, a headless serverless CMS. Teamvoy joined the project mid-delivery and supported enterprise CMS development through rapid onboarding, platform extension, and custom enterprise software solutions. The engineers worked closely with the client and the Webiny core team. They expanded CMS capabilities without changing the core platform. This transition set the stage for achieving a timely launch without scope cuts, meeting all business requirements.

Key Outcomes And Takeaways

- Platform delivered on time, met all business needs, and reached stable production on a **serverless headless CMS** without system rebuild.
- Structured extensions created a repeatable delivery model for similar projects.
- Extending vendor-supported platforms proved easier to maintain and upgrade than custom forks.
- Working closely with the vendor reduced delivery risk and kept custom work aligned.
- Fast onboarding with short feedback cycles reduced rework and kept progress predictable.

01. Our Client

Global Electronics Manufacturer Facing Vendor Delivery Failure

The client is a global electronics manufacturer operating in the B2B sector and managing large international orders with strict delivery schedules. For one major contract, the company required a digital content and workflow platform built as part of its enterprise CMS development initiative. A US-based vendor began work on a business-critical application using Webiny, a headless CMS serverless platform, but failed to meet agreed milestones and risked missing the production deadline.

The corporation urgently needed a partner able to immediately take over, finish the system on time, and deliver all required custom features, ensuring contract compliance and business continuity without disrupting the core technology.



02. Challenge

Mid-Flight Handover On Unfamiliar Enterprise CMS Development Under Fixed Deadline

Taking over an active platform built on a serverless headless CMS created immediate pressure on delivery speed and engineering quality. The previous vendor left the work incomplete on a niche stack with limited documentation and a fixed production deadline tied to a major commercial order. The team had to continue development while learning the architecture and identifying functional gaps.

Main challenges:

Fixed production deadline with no flexibility due to contractual delivery commitments.	Short ramp-up window on an unfamiliar serverless headless CMS stack with limited advanced documentation.	Complex workflow logic and external integrations are required during ongoing delivery.
Need to extend CMS capabilities through CMS development and custom software solutions without rewriting the core system.	Coordination with client stakeholders and the Webiny core team while maintaining stable engineering progress.	Incomplete implementation after vendor handover requiring parallel stabilization and continued feature delivery.

03. Solution

Extension-Based Delivery With Direct Webiny Team Collaboration

Rapid Onboarding And Gap Analysis

Teamvoy joined the project at a later stage. The team reviewed the existing codebase, environment setup, release processes, deployment pipeline, and the overall architecture of the serverless headless CMS platform built on Webiny. A dedicated team of five Frontend Engineers and four Full-Stack Engineers was allocated, with the latter primarily focusing on backend implementation, integrations, and core architectural decisions. Based on the assessment, the team identified gaps between the default CMS capabilities and the client's workflow, governance, and integration requirements, which helped define a clear continuation plan for enterprise CMS development.

Custom Webiny Extensions Built On Official Mechanisms

Instead of replacing the platform or creating a core fork, engineers implemented custom enterprise software solutions using native extension mechanisms. This allowed the system to support complex business logic, content approval rules by user role, and external system integrations while preserving maintainability and upgrade readiness.

Enterprise CMS Development With Webiny Core Team

The team worked directly with Webiny engineers to validate architectural decisions, address platform limitations, and align extension patterns with vendor development practices. This cooperation reduced delivery risk and helped the team add new features without changing the core product.

Iterative Delivery With Clear Milestones

Development progressed in short implementation cycles with defined validation points and stakeholder reviews.

Key implementation focus:

- Workflow automation extensions and permission controls
- Integration modules for external logistics systems
- Modular extension design aligned with vendor architecture
- Milestone-based releases to maintain predictable delivery

This approach allowed continued platform growth without architectural disruption and supported successful production launch.

04. Results

Full Application Delivered On Original Deadline With No Scope Reduction

Despite taking over late and working with an unfamiliar stack, Teamvoy delivered custom enterprise software solutions, enabling the platform to reach production on schedule. The Panasonic Avionics met its commercial commitments, avoided financial penalties, and retained customer trust through the delivery of all critical functionality on the existing architecture.

Business Results

- 100% on-time delivery despite mid-project handover and ramp-up on a niche technology stack
- Zero scope cuts, with full coverage of agreed business requirements through extension-based implementation
- Stable production performance on a headless serverless CMS infrastructure
- The team built custom extensions that future teams can update without forking Webiny
- Established cooperation model with the platform vendor for ongoing technical alignment