

HIGH QA MODERNIZES IT ML AND OCR/AI INTELLIGENT PROCESSING WITH AN AWS MIGRATION

ABOUT HIGH QA

High QA provides integrated manufacturing Quality Management (QMS) and Supplier Quality solutions built on the High QA 360 platform, helping manufacturers of any size digitize and automate the full quality lifecycle. The platform replaces manual, spreadsheet-driven and multiple systems work, with an all-in-one, integrated environment that retain the design intent and eliminates interpretation. Digital true to the source, and paperless, database-driven system that supports quality planning, inspection execution, reporting, and supplier collaboration, delivering actionable insights, easing quality bottlenecks.

High QA supports quality and compliance needs across regulated industries such as aerospace, automotive, medical, defence, energy, and heavy machinery, enabling organizations to improve traceability, consistency, and speed as they retain the part integrity from **Design to Delivery!**

CHALLENGES

High QA faced a major challenge in moving from a mature, optimized, desktop-hybrid-web based platform to a modern cloud infrastructure built for global scale and reaching out to suppliers outside of the buyers' manufacturers network.

At the heart of the business is an advanced machine learning and OCR/AI engine that converts 2D PDF images into structured digital data. The platform was originally designed to run exclusively on in-house desktop systems optimizing computation resources locally and was tightly coupled to shop floor manufacturing environments.

To support worldwide users with consistent performance, High QA needed to re-architect this complex, resource-intensive solution for the cloud. The target state required seamless global accessibility without compromising user experience, alongside rigorous security and data protection standards.

Delivering this transformation demanded specialized cloud expertise beyond the company's internal capabilities. High QA identified critical skill gaps that could affect both the migration itself and ongoing operation of the new environment, making the selection of an external technology partner a strategic necessity. The risk was significant, as execution issues could impact operational continuity and overall business stability.

In parallel to the technical complexity, the effort included an organizational challenge. The engineering team had a strong preference for learning and building capacity in-house. Overcoming this required a partner that could demonstrate technical credibility quickly, align closely with internal stakeholders, and establish a collaborative working model to support long-term success.

SOLUTION

Commit supported High QA's transformation with deep AWS cloud engineering, security, and compliance expertise – specifically CMMC2.0 and SOC2, enabling a structured migration from a desktop-bound environment to a globally scalable, cloud-native foundation. A dedicated cloud architect led the target architecture and migration roadmap, aligning stakeholders on the AWS landing zone design, multi-account strategy, network segmentation, and security guardrails required for reliable global delivery.

The program was executed under a disciplined governance and project management model that reduced risk, managed dependencies, and maintained predictable delivery quality. Throughout the migration, the team prioritized two non-negotiables: consistent application performance across regions and strict adherence to security and compliance requirements.

Beyond the technical design, Commit worked as an integrated extension of High QA's engineering organization through an expanded team model focused on shared ownership, transparent decision-making, and synchronized delivery practices. This approach accelerated alignment around global performance objectives, security baselines, and operational standards, while building trust through engineering rigor and clear, ongoing communication.

Within the first 60 days, Commit established credibility with High QA's leadership by combining technical execution with strong cultural fit, creating the partnership structure needed to deliver a complex, globally distributed migration without compromising reliability, performance, or control.

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RESULTS

- **Meaningful customer and industry outcomes:** With a modernized, scalable foundation, High QA can better support manufacturers delivering mission-critical products across sectors such as aerospace, defence, space, energy, automotive and medical devices, where quality and reliability directly impact safety and performance.
- **One integrated global delivery team:** High QA and Commit operated as an “expanded team” across geographies and languages, enabling seamless execution against a shared mission and delivery standards.
- **Trust built fast, enabling velocity:** Within the first 60 days, Commit earned the confidence of High QA’s technology leadership and developers, overcoming a strong in-house bias and establishing a collaborative model that accelerated progress.



When we look for a partner, we look for one who truly understands the architecture, operates with transparency and professionalism, offers fair pricing, and is fully committed to our success. With Commit, we found all of these qualities. By expanding our team across geographies, boundaries, and languages, High QA and Commit have become one unified team working toward a shared mission.”

Ephy Torenberg, Chief Operating Officer, HIGH QA



CONTACT OUR CLOUD EXPERTS 