

Gen III: The Next Generation of BIS Applications

Our third-generation application architecture – built for how businesses operate today, and engineered for the next decade.

Gen III is BIS Computer Solutions' third-generation application architecture and the foundation on which our next decade of enterprise software is being built. It is the product of several years of deliberate engineering work, informed directly by the operational realities our customers face every day.

Gen III is web-native. It is mobile-ready. It is open. It is built on technologies that are actively evolving with the industry rather than moving away from it, and it is engineered so that BIS customers are never again held hostage to a single vendor's roadmap.

What Gen III delivers

- Web-native applications – no software to install on user workstations, any modern browser, any modern operating system.
- Native mobile experience – iOS and Android companion apps for field, warehouse, and executive use, sharing business logic with the web.
- Open architecture – built on TypeScript, Next.js, PostgreSQL, Node.js, and industry-standard protocols, with no single-vendor lock-in at any layer.
- API-first integration – documented, versioned, secure APIs for every part of the application.
- Integrated artificial intelligence – plain-English queries, intelligent document processing, anomaly detection, and forecasting, with role-based guardrails and deployment options that respect your data-sensitivity policies.
- Hosting portability – deployable on Amazon Web Services, Microsoft Azure, Google Cloud, or on customer-controlled infrastructure.
- Security and compliance from day one – modern authentication, encryption, audit logging, and alignment with leading security, privacy, and regulatory frameworks.
- Continuous delivery – versioned, backwards-compatible releases with feature flags. No more multi-week version upgrade projects.

Gen III is not a single product. It is the architectural foundation for everything BIS builds next. The first product delivered on Gen III is BIS Pro Suite.