

How CIOs Can Take the Lead in Construction's Digital Shift

A quick reference guide to building a smarter, more connected, and more resilient construction enterprise.



State of the Industry

Unprecedented Growth Means Opportunities – and Challenges

Historic infrastructure investment is accelerating demand across transportation, energy, housing, and modernization projects. The market is on track to nearly double in less than two decades.



Five Pressures Squeezing Every Growing Firm

1	Runaway Growth	New markets, new geographies, new project types.
2	Increasing Complexity	Larger scopes, more stakeholders, tighter platforms.
3	Outdated Legacy Systems	Heavily customized platforms built for slower era.
4	Global Expansion	Office, field, and global teams on different data.
5	Aging Workforce	The mainstay workforce is retiring; not enough are replacing them.

Technology Trends

How Modern Technology Turns Rising Demand into Delivered Projects

From cloud ERP to real-time data visibility to connected machinery, the modern job site runs on a fundamentally different technology stack. It's what separates firms that capture the opportunity from firms that watch it pass.

Cloud ERP, Modernized Integrated workflows across finance, procurement, field, HR, and project controls—with real-time visibility and a foundation for growth.	Mobile, in the Field Time entry, inspections, daily logs, RFIs, punch lists, safety reporting—replacing paper and unifying office and field on the same data.
AI that Works Scheduling, risk prediction, document interpretation, change orders, invoices—surfacing risks earlier than traditional methods can.	Connected Job Sites IoT sensors deliver real-time insight into material flow, safety, equipment utilization, and environmental factors—driving uptime and traceability.
Workforce, Ready Digital learning and knowledge-capture tools preserve institutional expertise as experienced workers retire—and onboard the next generation faster.	Sustainability Built In Tracking emissions, energy, materials, and waste—supporting bid competitiveness, regulatory compliance, and long-term operational responsibility.

Modernization Roadmap

Six Moves that Turn Tech into a Powerful Competitive Edge

Demand is surging, but the firms that capture it will be the ones that act now. The moves below give CIOs a structured path to meet new growth at scale.

1 Modernize the Core Platform Move beyond the constraints of legacy ERP. Modern cloud platforms handle complex projects, new markets, and mobile teams without exponential overhead.	2 Unify Systems and Data Centralize information across projects, finance, procurement, HR, and field. One source of truth means less time searching, more time executing.	3 Empower the Field The field is where project success is determined. Mobile access to real-time information and reporting improves productivity and reduces risk.
4 Strengthen Workforce Management Integrated HR, payroll, time tracking, and workforce planning create better visibility into labor availability and skills.	5 Embrace AI for Practical Gains Focus on use cases that move the needle. Change orders, inspections, schedule optimization, and predictive risk analysis are examples.	6 Plan for Change Technology adoption fails without buy-in. Change management, training, and ongoing support belong in every initiative, never as an afterthought.

“We needed a partner who combines deep SAP knowledge with a genuine understanding of how construction businesses operate. Syntax brings both.”

► Dolores Mears
Chief Information Officer · Hensel Phelps

How Syntax Can Guide You

Built for SAP. Tailored to Construction.

Syntax serves as your end-to-end partner across the modernization journey—from strategic advisory through managed services—to deliver measurable results and long-term success.

Boutique @ Scale Personalized service combined with enterprise-grade capabilities, backed by 2,600+ experts in 15 countries, to modernize and scale with confidence.	Deep Construction Expertise More than 25 years of SAP experience supporting construction companies worldwide—from project controls and field operations to supply chain and finance.
Innovation Built In GenAI, predictive analytics, and sustainability solutions embedded in every layer to drive intelligence and continuous improvement.	Faster Time-to-Value Construction accelerators that reduce costs and shorten timelines with industry-specific, end-to-end processes and workflows.

Ready to Modernize the Way Your Job Sites Run?

Modernizing complex construction ecosystems takes a partner who can navigate change with precision. Start a conversation about your roadmap.

Talk with a Syntax SAP construction expert ►

