

A close-up photograph of a construction worker. The worker is wearing a multi-colored plaid shirt and a bright neon green high-visibility safety vest with reflective black stripes. They are holding a bright yellow hard hat with their right hand. The background is a blurred construction site with wooden framing and a clear blue sky.

infor

™

CONSTRUCTION AND ENGINEERING

How to drive business results
with agile technology

The new digital reality

Today, a confluence of emerging technologies, new regulations, increasingly complex projects, and rising business pressures have combined to turn some of yesterday's standard practices into today's sources of disruption—and even risk.

Construction companies have the lowest investment in technology and face a unique set of challenges, often struggling to keep pace with emerging industry demands and expectations.

Meanwhile, technology is fueling the transformation of various industries around the globe. Digital innovations are changing the way people work and live—and the need to better leverage data in the construction and engineering industry is now more crucial than ever.

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Construction's top challenges

To succeed in an increasingly competitive, legislative, and demanding era for the industry, companies must operate within an agile framework that connects the entire ecosystem—including operational systems, business processes, and the supply chain—with transparency, automation, and business insights. Digital transformation in the construction space, therefore, requires a focus on some key areas:

- Low investment and adoption of technology
- Shortage of skilled labor shortage
- Material availability and increased costs impacting project margins
- Inadequate supply chain transparency and data sharing
- A sector increasingly driven by compliance and legislation
- The industry-wide impact on the environment
- Largely manual labor and operational processes that impact productivity are driving need for business model innovation



Technology adoption

Emerging and disruptive technologies are transforming the construction and engineering industry. Companies that cannot or choose not to embrace it put their businesses at real risk of failure. It now plays such a key role across so many aspects of business including managing day-to-day operations, competing for work, executing projects, and ensuring the health, safety and wellbeing of their personnel. Technology is no longer a nice-to-have but instead a critical element of executing business strategy successfully.



Human resources

Despite the increasing uptake of emerging and transformative technologies, the construction and engineering industry remains heavily dependent on human resources. However, with an ageing workforce and shortage of skilled personnel, in order to attract and retain the best talent, it is essential that companies adopt modern and robust business systems—to support the entire workforce across all operational and project based disciplines.



Sustainable construction and pressure on the supply chain

With increasing volatility around material prices and availability, together with a shortage of subcontractors, the drive to embrace smarter and more efficient ways of working with the supply chain has never been so relevant. Whether it's embracing fintech concepts, lean construction principles, or adopting modern methods of construction (MMC) to deliver a collaborative and innovative ecosystem, implementing appropriate digital technology is essential to ensure positive outcomes for all stakeholders.



Productivity

At best, productivity in the construction industry has stagnated over a number of decades even though improving productivity would have a profoundly positive impact on both project and corporate profitability. As projects become even more complex, with increasing focus on legislative and regulatory compliance, turning to industry-specific, last mile functionality solutions can facilitate seamless coordination across the entire project team. This includes project resource planning, integrated building information modeling (BIM), workforce management, and enterprise asset management—all of which will help eliminate defects as well as maximize utilization of critical equipment, labor resources, and lost time waiting for material deliveries.



Corporate compliance

Regulatory and legislative compliances, whether relating to health and safety, environmental, human resources, taxation, or corporate responsibilities, can no longer be managed effectively or accurately without utilizing digital technology.



The changing face of construction

In order to sustain growth in a very competitive market, modern construction firms realize that they must embrace technology to drive business transformations and innovation. They realize they need to be smarter, simplify the complex and margin-eroding manual processes, execute faster and more efficiently, avoid contract penalties, adhere to new evermore demanding legislation, and deliver sustainable building initiatives.

Regardless of industry, technology drives businesses forward, even if the construction industry has typically been slow to invest. With the value chain demanding innovation and pressures to deliver complex projects to programme within budget,

adopting digital technology is now business critical. The right solution can improve employee loyalty, increase collaboration, make construction sites safer, and enhance productivity. This enables construction companies to remain competitive, attract new talent, and deliver projects in an environmentally sustainable and profitable manner.

Infor brings together modern solutions with over a decade of experience in partnering with customers around the world to change how they run their business. Organizations already on this digital path are finding new ways to generate sustainable growth, maintain and elevate revenue, and build stronger loyalty. We help power construction companies that are more informed, proactive, and competitive than ever before.



Predictive analytics, minimize project risk, and empower your workforce

Predictive analytics made easy

Most construction businesses today operate as a collection of disconnected silos; however, modern technology solutions can fill the gap and reconcile the different silos into a single platform to facilitate seamless collaboration on projects.

What if you could:

- Forecast at any point in a project
- Manipulate data into meaningful analytics and insights
- Estimate and forecast project costs accurately
- Consistently deliver projects on time and within budget
- Compare current project data against previous projects
- Predict the likely outcome of a project as it commences by using predictive analytics

With embedded business intelligence (BI) and business analytics platform, Infor Construction and Engineering solutions help construction businesses understand and optimize their unique and sometimes complex operating processes in less time than traditional BI solutions. Built with patented automation and machine learning technologies, it connects remote teams and applications across the enterprise via a trusted fabric of analytics and insights to enable smarter decision-making. This unique approach helps improve profitability, reduce costs, increase revenues, and transform the way construction professionals do business.



Minimize project risk

Extend the longevity of your assets and improve overall asset management processes with a comprehensive enterprise asset management solution, allowing you to solve critical asset performance challenges. You'll optimize all your asset management processes, facilitate root cause failure analysis, and turn asset management into a competitive advantage.

You'll be able to:

- Maximize maintenance effectiveness
- Increase equipment uptime
- Reduce inventory costs
- Maximize employee productivity with mobile apps

Empower your workforce

With a largely remote workforce, employees in the construction industry still need access to centralized data to connect with peers and colleagues in real time, while also collaborating with supply chain partners.

To attract and retain staff and reduce the stress of employee churn, construction firms need to empower their workforce with modern digital technology—delivered as a beautiful, intuitive user experience—and providing visibility, data sharing, and communication beyond the walls of the business any time, any where.

This allows employees to:

- Focus their time on value-added activities
- Leverage a modern and intuitive technology platform
- Support and elevate the workforce beyond what they are currently achieving
- Optimize their productivity and value to the business



Right for today, ready for tomorrow

Infor Construction and Engineering solutions give your business a modern digital platform to enable future growth. Less hassle, more value, and true business agility—that's the bottom line. They can help you:

Infuse science into your predictions

- Unite transaction and analytics processing into a single database to optimize budgets, manage subcontractors, issue purchase orders
- Organize documents, along with project execution and accounting
- Base forecasts on reliable data
- Analyze past performance, predict expected performance
- Replicate those practices that drive successful outcomes through dynamic enterprise modeling capabilities
- Test scheduling options and predictable results to base your decisions on tangible data and not only on best guess and experience

Enhance your productivity

- Connect teams and applications across an organization via a trusted network of analytics and insights to inform smarter decisions
- A wide range of revenue gains by adding analytics
- Mobile access to application anytime, anywhere on the cloud
- Make better equipment decisions with a comprehensive asset management, materials management, and procurement tools

Coordinate your ecosystem holistically

- Go paperless and facilitate real time collaboration between each of the project community members, contractors, and subcontractors
- Synchronize between various processes from scheduling to project delivery, including procurements, execution on sites, and complete financial management
- A central digital document repository makes it easy to find the document you need when you need it
- Shared files allow for one version of the truth; no duplicate versions
- Mobile apps allow viewing 3D plans, orders, or any documents on the go

Embrace the value in your staff

- Automate processes and repetitive actions so teams can focus on the project delivery
- Attract and retain talent with modern user-friendly solutions, collaborative and agile technology that enable them to work the way they live
- Streamline your workflows
- Manage resource assignments, hours, and expenses for multiple sub-contractors in a single platform to optimize labor force and improve coordination

Maintain control on impactful variables

- Manage incidents on the go, whether it relates to materials management, commercial or workforce issues
- Communicate and collaborate in real time with your project community resulting in faster resolution which will ultimately protect your profit margins
- Identify problems before they occur with predictive analytics based on leveraging insights from historical legacy data
- Automate processes as much as possible to limit errors and enable easier progress tracking across the supply chain
- Benefit from minimized risk, a reduction in costs, and an improved cash flow for both contractors and subcontractors

Managing governance, regulations, risk, and compliances

- Automate workflows to streamline compliance management tasks and receive alerts when documentation is needed or soon expiring, no matter who is doing work on the project
- Automate checkpoints to support compliance with business target operating model, including approvals, project resources, inspections and project execution to drive safety, quality and delivery
- Support both local and international standards, including ISO 14001 environmental management and 45001 occupational health and safety, IBC International Building Code, ICMS International Construction Measurement Standards, SSIP Safety Schemes in Procurement, etc.
- Embedded contextual apps help support communication of and adherence to safe handling of materials, health and safety compliance information, and risk mitigation policies



Powering the construction industry

At Infor, we recognize that the “one size fits all” philosophy to enterprise class software doesn’t deliver the benefits that will transform your business. Infor software provides deep industry functionality without complex and expensive customizations.

Industry best practices—based on decades of experience and thousands of implementations—are built in, along with pre-packaged workflows, content, integrations, and analytics that make deployments simpler and faster, users more productive, and business more efficient from stem to stern.

2000+

Global Infor customers operating within construction, real estate, and engineering

20%

reduction in production downtime

20%

reduction in inventory carrying costs

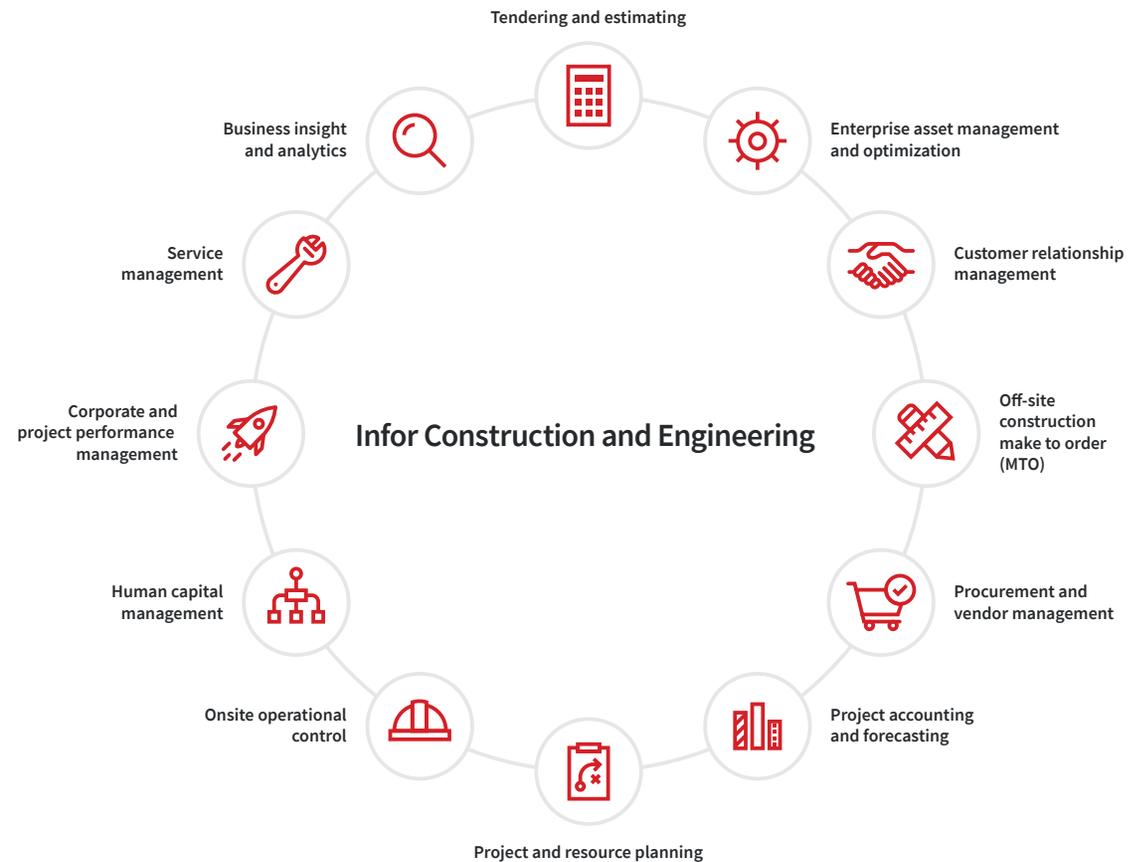
20%

improvement in labor productivity

Infor Construction and Engineering solutions' end-to-end capabilities

Focus on your business

Get started quickly with prepackaged functionality and processes developed specifically for the needs of construction organizations. Construction and Engineering solutions allow you to realize a quicker time to value and start benefiting from your investment within a few weeks, not months. Specific configurations and customizations can be easily integrated at any point in your journey with us, without impacting your productivity—with both an agile implementation model and a cloud native solution.



Endless opportunities to make technology a competitive advantage

With Infor, you are assured of a partner who has the domain knowledge and technology to get you where you need to be today and in the future. Infor provides foresight, vision, and expertise to support your digital transformation journey across the entire enterprise with the overall objective being to ensure successful outcomes for all of our customers.



A platform to support your digital transformation

Infor OS serves as the underlying platform for your entire enterprise ecosystem, ensuring that systems work together seamlessly, deliver insights automatically, and have the flexibility to support changing business and construction needs. Designed to maximize the potential of both your technology and your people, it provides a conversational UX that makes systems intelligent, intuitive, and exponentially more valuable.



AI to maximize human potential

Beyond simply augmenting or automating day-to-day work, Infor's AI, known as Coleman®, serves as a science-driven, industry-aware, intelligent assistant that anticipates and derives insights from business data. Providing instant access to information via voice or chat and relieving workers of repetitive tasks, Infor Coleman acts as a true business advisor and helps stakeholders make the best, most informed decisions every time.



Benefit from the latest innovation for construction and engineering

With automatic regular updates, your organization always runs on the latest version of Infor Construction and Engineering solutions. Enjoy the benefits of—and the most current developments in—machine learning, Internet of Things (IoT), digital twinning, virtual construction, robotic process automation (RPA), and BIM (Building Information Modeling).



Modernize, simplify, and save

With a cloud hosting environment that is agile, secure, highly flexible, and proven, you get the flexibility to add to and modify systems as your business grows. Currently serving over 71 million users, it meets the highest standards of security and reliability.



Work your way

Personalized and customizable homepages for specific roles, teams, or areas of interest aggregate processes and deliver information automatically to users, while single sign on and a consumer-inspired user interface make applications easy, intuitive— even fun—to use.



Turn information into action

Data Lake and data visualization capabilities work across systems to deliver information automatically based on users' specific roles and priorities.

Begin the transformational journey now

Infor is your technology partner

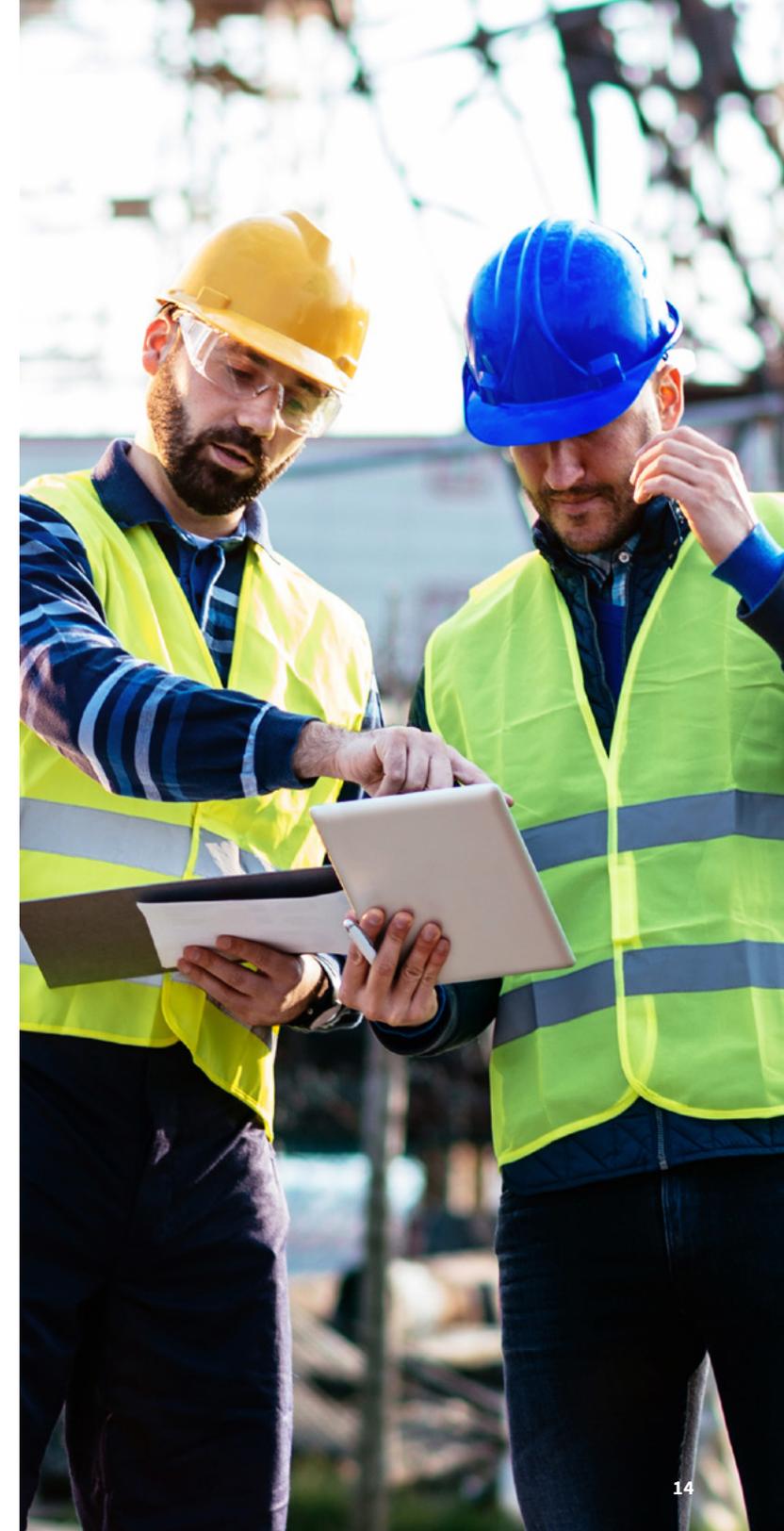
Infor is committed to serving the construction and engineering industry and supporting holistic digital transformation during a time of evolving challenges and complexity. Modern disruptions are creating new risks right now—and potentially in the future. It's not enough to merely upgrade some key applications internally, without delivering integrated value to your customers. You need to transform. To do that you need deeper insight.

Technology by itself is just a tool

At Infor, we surround you with everything you need to be successful. With more than 5,000 product, technical, implementation, and industry experts that support customers in 170 countries, our goal is to ensure your success with any new countries, markets, and strategies you wish to pursue. Your success is our success.

Discover how Infor Construction and Engineering solutions can help you transform your construction business.

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About Infor

Infor is a global enterprise leader in business cloud software and a strategic technology partner for more than 68,000+ Enterprise and SMB companies. Enterprise software solutions that are built for the cloud, built for your industry. From Manufacturing to Healthcare to Retail and Fashion, we cover all industries and have ERP end-to-end solutions that are brought together by artificial intelligence technology.

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