Infor for Engineering and Construction

Engineering and construction companies face growing pressure and never-ending demands to improve how they work with partners, contractors, and clients, while enhancing internal performance. From building more efficient back-office services to empowering front-line workers, technology plays a key role in modernizing this industry. As the production and engineering industries see the momentum shifting toward agile players, accelerating your business to work in a more organized fashion at the back end will help you deliver project wins and on-time deliverables.

Infor® for Engineering and Construction was designed with the input of many E&C firms to:

- Manage the increasingly complex regulatory and risk landscape
- Deliver on more complex projects
- Meet accelerating industry demands and expectations
- Support environmental, social, and governance (ESG) goals

Support new ways of working

CIOs, IT leaders, and decision-makers in similar roles are changing how engineering and construction firms operate to remain competitive in today's market. Cloud technologies are delivering significant business success in the E&C industry and beyond. CEOs are taking note and expect the same within their organizations.

By adopting a digital transformation, E&C companies can take advantage of the cloud and emerging technologies to support their business objectives. Infor CloudSuite™ Engineering and Construction makes data more accessible to key stakeholders and leaders. This helps develop and create better business insights, generating value, productivity, and efficiency across companies, partnerships, and ecosystems.

CloudSuite for Engineering and Construction can integrate data and processes from departments and partners across:

- Contractors and partners including those in commercial construction, infrastructure, trade subcontractors, asset owners and operators, design for manufacture and assembly, prefabrication, and engineer to order (ETO)

- Engineering, procurement, and construction contractors

- Residential builders

- Trades and subcontractors

- Renewables (including solar, heat pump, and wind power installers)

- Prefab and ETO building systems

Beyond improving existing services, CloudSuite Engineering and Construction delivers innovation and scalability, enabling a range of emerging technologies. These include building information modeling (BIM), the internet of things (IoT), virtual and augmented reality presentations, and big data analytics.

By linking your data and services together within CloudSuite Engineering and Construction, firms can join in the digital revolution and gain a foothold in information management processes to benefit from improved IT processes that deliver operational improvement.

Key challenges for engineering and construction firms

The engineering and construction sector faces many of the same key issues as other markets.

Infor understands that a one-size-fits-all software approach fits and benefits almost no one. That's why CloudSuite Engineering and Construction is focused on the specialized needs of the industry. Over 2,300 E&C customers rely on our products to solve their critical business problems, including:

- **A lack of investment in technology**: Few construction firms are digital natives. They are risk averse or lack the IT budget and knowledge to adopt cloud services. Without a strong sense of traction or success stories, they can struggle to see the value of IT.

Take advantage of the cloud today

Engineering and construction firms don't always have the time or resources for long-term integration projects. You need the benefits of the cloud today, along with integrated services that support your business objectives, including:

- Analytics, interoperability, and extended solutions that provide business intelligence to address business goals and support equipment, people, and asset management

- Budgeting and estimates to support projects and deliver competitive tenders

- Core financials and contract management

- Sourcing and procurement

- Subcontracting

- Risk and compliance

- Customer and supplier management

- **Lack of standardization and repeatability**: Many firms go back to step one when moving onto new engineering and construction projects, wasting institutional knowledge or repeatable steps that can save time and resources. The Infor Cloud can deliver composable projects where the key steps can be standardized to speed up tasks and improve efficiency.

- **Lack of innovation**: Across the industry, firms are delivering projects in the same way, using the same processes they've used for decades. Coupled with a lack of investment in technology, this exposes them to competitors willing to adopt new methods and use digital services to deliver better results for their clients.

- **Health and safety**: Health and safety incidents cost the North American E&C sector some $13 billion annually,[1] with an incumbent human cost and tens of thousands of injuries each year.[2] The industry faces pressure to improve its business models, while also keeping up with an increasing volume of compliance and risk assessments. This is the deal processes for digitization where training and reporting can be better handled across the sector through cloud services.

- **Environmental issues**: As all construction firms come under the microscope as part of environmental, social, and governance (ESG) investments, they must do more to control pollution and waste. A strong environmental message also helps with hiring and partnering, with cloud reporting and management delivering multiple benefits within the sector.

- **Working in a complex and fragmented ecosystem**: All firms face a range of collaboration and supply chain issues, as well as weak links between contractors and subcontractors. Through business collaboration and analytics firms can discover new insights, strategies, and processes to improve project delivery.

The Infor advantage

Benefits of CloudSuite Engineering and Construction

Infor brings together modern solutions with over a decade of experience in partnering with global customers to improve how they run their business. Organizations using CloudSuite Engineering and Construction 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.

Infor Engineering and Construction solutions empower businesses through a modern digital platform to drive growth. Through the cloud, there's less installation hassle; data insights are easier to view and share; and businesses become more agile, able to build their digital processes faster, even without extensive and costly IT support.

Minimize project risk

Infor's Equipment and Service module built into our CloudSuite enables users to meet critical asset performance challenges by extending the longevity of your assets and improving overall asset management processes, so you can:

- Optimize asset management processes
- Facilitate root cause failure analysis
- Turn asset management into a competitive advantage
- Maximize maintenance effectiveness
- Increase equipment uptime
- Reduce inventory costs
- Maximize employee productivity with mobile apps

Empower your workforce

With an often-remote workforce, your employees need regular access to centralized data to stay connected in real-time, as well as to digitally collaborate with supply chain partners. Modern digital technology, delivered as an intuitive user experience, can empower your workforce, while reducing the cost and stress of employee churn. You'll gain visibility, data sharing, and communication anytime, anywhere. This approach allows employees to:

- Focus their time on value-added activities
- Leverage a modern and intuitive technology platform
- Support and elevate the workforce beyond current levels
- Optimize workforce productivity and value to the business

Infuse science into your predictions

- Unite transaction and analytics processing into a single database to optimize budgets, manage subcontractors, and issue purchase orders
- Organize and collaborate on documents, along with project execution and accounting
- Base forecasts on reliable and up-to-date data
- Analyze past performance and results to predict expected outcomes
- Replicate practices that drive successful outcomes through dynamic enterprise modeling capabilities and identify weaknesses within the business

1. The Construction Chart Book, 4th edition, CPWR – The Center for Construction Research and Training, 2007.
2. CPWR, 6h edition, 2018.

Improve business productivity

- Connect teams and applications across your organization via a trusted network of analytics and insights to inform smarter decisions

- Deliver a wide range of revenue gains through smarter and up-to-date calculations with analytics

- Support mobile access to your applications anytime, anywhere on the cloud and improve response times to business-critical issues

- Make better equipment decisions with comprehensive asset management, materials management, and procurement tools

Coordinate a value-driven ecosystem

- Go paperless and facilitate real-time collaboration between project members, contractors, and subcontractors

- Synchronize various processes from scheduling to project delivery, including procurements and on-site execution, with complete financial management and audit trails

- Create a central digital document repository to easily find the document you need when you need it

- Create one version of the truth with shared files, no duplicate or multiple versions

- View 3D plans, orders, or documents on the go via mobile apps

Encourage collaboration and innovation

- Automate processes and repetitive actions so your teams can focus on high-value tasks and project delivery

- Attract and retain talent with modern user-friendly solutions; leverage collaborative and agile technology to enable your employees to work the way they expect from a 21st-century organization

- Streamline workflows to improve efficiency, ensuring that data is always accessible, and documents are in the right place

- Manage resource assignments, hours, and expenses for multiple sub-contractors in a single platform to optimize your labor force and improve coordination

End-to-end capabilities for engineering and construction

Deliver rapid results for your business

Infor enables engineering and construction firms to get started quickly with prepackaged functionality and processes developed specifically for the needs of your industry. This provides a quicker time to value, allowing firms to quickly benefit from your investment and deliver ROI within a matter of weeks.

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.

Make technology your competitive advantage

With Infor, you get a partner with 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 our customers.

A platform to support your digital transformation

Infor OS serves as the underlying platform for your entire enterprise ecosystem, ensuring that your 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, Infor OS provides a conversational UX that makes systems intelligent, intuitive, and exponentially more valuable.

Turn information into action

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

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, and even fun to use.

Modernize, simplify, and save

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

Take advantage of the latest innovations for engineering and construction

With automatic regular updates, your organization always runs on the latest versions of our Infor Construction and Engineering solutions. Benefit from the most current developments in machine learning, IoT, digital twinning, virtual construction, robotic process automation (RPA), and BIM.

Maximize human potential with AI

Beyond augmenting or automating simple day-to-day work, Infor Coleman™ AI serves as a science-driven, industry-aware, intelligent assistant. Coleman anticipates and derives insights from business data, providing instant access to information via voice or chat. Relieving workers of repetitive tasks, Coleman is your true business advisor, helping you make informed decisions.

Start your transformational digital journey now

Infor is your technology partner

You need to transform. To achieve that, you need deeper insights into your business. Infor is a committed partner to the engineering and construction industry, supporting digital transformation during a time of exceptional business challenges and increasing digital complexity. Modern disruptions create new risks. Upgrading a few key applications internally is insufficient, risking IT failures, unhappy workers, and not delivering value to your customers.

Technology by itself is just a tool

At Infor, we deliver everything you need to be successful. With more than 5,000 products, technical implementations, and industry experts supporting customers in 170 countries, our goal is to ensure your success by making the business of construction simpler. Our engineering and construction solutions provide you with better insights to improve value and efficiency. Your success is our success

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

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