

IFS Cloud for Engineering and Construction:

A Digital ERP Backbone for the Future



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New horizons for engineering, construction and infrastructure

A photograph of two men standing on a rooftop. The man on the left is wearing a dark suit, white shirt, and dark tie. The man on the right is wearing a white hard hat, a dark jacket, and green work gloves. They are both looking down at a tablet computer held by the man in the hard hat. In the background, there is a cityscape with a prominent domed building, likely St. Peter's Basilica, under a clear sky. The image is partially obscured by a large white curved shape on the right side.

The defining moment for the engineering, construction and infrastructure services industries.

Rapid change, competition and new technologies are upending the market and revolutionizing working methods to create streamlined outcomes, customer-centric business models and innovative solutions and assets.

Tightening margins, increasingly sophisticated client demands, new materials, a lack of skilled labor, cost pressures and changing regulations are **transforming the landscape**.

Now, there's an incentive to embrace converging technologies and modern construction methods with greater standardization—delivering projects **on time, on budget** and at a **high quality** has never mattered more.

There's never been a better time to adopt a digital ERP backbone designed to help you embrace modern methods of construction right across the value chain, while opening up new opportunities.

Built for the future; an ERP designed for tomorrow

This is about the potential for a massive leap forward in construction innovation.

There is a new digital ERP backbone that's optimized for engineering and construction.

The result is a new style of ERP that delivers the manufacturing and supply chain activities seen in a lean manufacturing shop. That enables construction and engineering businesses to innovate effortlessly, gain total value-chain control, deliver quicker and develop customer-centric business models.

This is an opportunity to harness the promise and power of a digital ERP backbone and emerge as a winner in the new era.

IFS Cloud for Engineering and Construction streamlines the construction lifecycle using a digital ERP backbone to manage projects, resources, time, and value in one system—**improving project control**, raising revenue and profit margins as well as reducing costs. It allows users to adopt new construction models, including the **full asset lifecycle**.

In short: this is a game changer.



The roadblocks to a digital ERP backbone

While most engineering and construction organizations employ some type of ERP, commitment to a digital ERP backbone is different.

The COVID-19 crisis wreaked havoc on many engineering and construction companies already struggling with poor profit margins and cash flows. Plus, external market factors, fragmented and complex dynamics, and a risk-averse industry has made change challenging and slow. **Until now.**

Now, new and more effective **models of construction**, such as modular construction, are emerging to help. How rapidly these organizations can reap the rewards is limited by their current business system architecture. Yet, as projects grow more complex, integrated lifecycle control has never been more important.

Until recently, these problems were enough to keep engineering and construction organizations in stasis. Today, **running a legacy ERP** system can seriously impede your ability to embrace modern construction methods across the value chain. The cost of inaction is too great.

The good news is that adopting new strategies to reinvent your business can help you outshine the competition. Now is the time to reap colossal rewards.

Do more for less, with a new ERP model

The problems mentioned previously point to an unavoidable conclusion: the engineering, construction and infrastructure industry needs a whole new modernized platform.

Recent advances in technology and innovation mean that most ERP systems are no longer fit for purpose.

A new model of ERP is required; flexible, scalable and adaptable to change. It must deliver continuous improvement, and support best-of-breed integrations to ensure the most flexible business architecture system.

As new and better ways of working arise, the case for operating in a shop environment as opposed to a construction site is clear. Organizations that employ this method enjoy greater efficiency, **more control**, safer working practices, lower costs and higher quality output.

Offsite methods also help organizations realize the potential of new technology. Plus, the insights and data from the

monitoring and control of finished assets mean that future creations can be built and designed to achieve lower maintenance costs and deliver a better end-user experience.

This approach allows engineering and construction organizations to maximize value from their workforce to full effect. IFS Cloud for Engineering and Construction supports operation and maintenance cycles in a single platform, delivering for a wide range of projects and industries, specializing in Building Information Modelling (BIM), CAD and Product Lifestyle Management (PLM).

IFS Cloud gives contractors a rigorous approach to offsite work with a broad enterprise suite that addresses both project management for site-based work and manufacturing for offsite fabrication or assembly. It also offers comprehensive

financial project control and delivers robust bidding and estimating capabilities to help companies win new contracts.

Our solution offers a single project view, which makes a world of difference when there are so many stages to an asset's lifecycle. You can harness the power of a single source of truth, manage contracts, engineering, manufacturing, assets and facilities, finance, and human resources with confidence.

Most importantly, our new model of ERP is designed to help engineering and construction companies innovate and refine their operations to gain the mobility to disrupt markets.

Shape your next breakthrough with futureproof ERP from IFS Cloud

At its core, our ERP backbone provides the industry functionality that every engineering and construction company needs, and it supports modern methods of construction that offer immense value—allowing you to do more with fewer resources.

IFS Cloud for Engineering and Construction ensures you can diversify your operations and offer service and maintenance contracts rather than just the construction of an asset. This means you can unlock new sources of revenue and profitability.

Converging technologies such as **robotics**, BIM, IoT, drones, AI and VR are being used to help construction companies work with greater control. Our ERP backbone lets you use these technologies in your day-to-day operations to increase efficiency.

IFS Cloud for Engineering and Construction offers a broader spectrum of ERP software functionality than a software product dedicated only to construction. Modular builders have success running IFS Cloud functionality to manage every stage of both project and asset, including:



Procurement & collaboration



Project & risk management



Supply chain and equipment rental



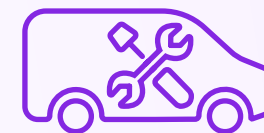
Document management



HCM including time and expenses



QHSE



Offsite manufacturing



Asset and facilities management

Rise to your biggest occasion yet

Modern construction methods, converging technologies, and diversified operations are fast becoming critical drivers of growth for engineering and construction companies. The new mandate is clear: get a digital ERP backbone for the future, so you can:



Start construction faster



Deliver projects on budget, on time and at high quality



Realize innovations



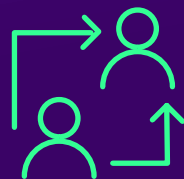
Work with greater control, autonomy, and efficiency



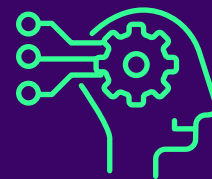
Decrease costs and increase revenue streams



Increase agility and adaptability



Deliver world-class customer and end-user experiences



Proactively manage risks

There's never been a more opportune moment in the engineering and construction industry. The convergence of IoT, AI, VR, AR, BIM and robotics offers immense opportunity for every engineering and construction company.

But the competition for customers has never been so cutthroat. New players and long-time stalwarts are all fighting it out for the same share of the market.

The winners in this fierce new world will be the organizations that rise to the occasion, upgrade business system architectures, and adopt modern construction methods.

We're certain that the secret to this is a digital ERP backbone for the future that's optimized for engineering and construction to help you expand, take control, and continuously innovate. It's time for engineering and construction organizations to become world-class manufacturing shops.

IFS Cloud for Engineering and Construction will help you rethink your business to focus on services and outcomes as well as products. It's been designed to help you orchestrate your customers, people, and assets as your business transforms. We've built our product in line with industry trends to accompany the full asset lifecycle.

Bring your greatest ideas and innovations to life with a digital ERP backbone that delivers growth, stability, and adaptability. We'd love to show you how.



Let's talk IFS Cloud for Engineering and Construction

Learn how our digital ERP backbone
can enhance your operations.

About IFS

IFS develops and delivers cloud enterprise software for companies around the world who manufacture and distribute goods, build and maintain assets, and manage service-focused operations.

Within our single platform, our industry specific products are innately connected to a single data model and use embedded digital innovation so that our customers can be their best when it really matters to their customers—at the Moment of Service™.

The industry expertise of our people and of our growing ecosystem, together with a commitment to deliver value at every single step, has made IFS a recognized leader and the most recommended supplier in our sector.

Our team of 4,500 employees every day live our values of agility, trustworthiness and collaboration in how we support our 10,000+ customers. Learn more about how our enterprise software solutions can help your business today at **ifs.com**.

#MomentOfService

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