

Preparing for tomorrow

Stable and fit-for-purpose infrastructure is essential for every economy. Roads, railways, bridges, tunnels and dams are the lifeblood of society, keeping people, goods and services moving.



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Preparing for tomorrow

Stable and fit-for-purpose infrastructure is essential for every economy. Roads, railways, bridges, tunnels and dams are the lifeblood of society, keeping people, goods and services moving.

As the world continues to recover from recent global disruption, investment in infrastructure is increasing again. It remains one of the most proven ways to stimulate economic growth. By building and maintaining transport networks that move passengers and materials efficiently, economies become stronger and more productive.

The rise of smart infrastructure

Over the last decade, the quality of infrastructure has improved dramatically. Roads, for example, are no longer just layers of tarmac and asphalt. They are becoming smart, connected networks equipped with digital technology that can monitor performance and share information in real time.

Analysts now predict that infrastructure will soon overtake residential building as the leading segment of the construction market. Traditionally, many construction and engineering firms involved in infrastructure have been reactive rather than proactive, focusing on problem-solving instead of long-term planning.

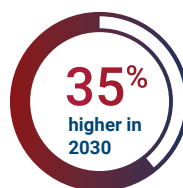
Preparing for a new era

This rapid growth presents a major opportunity. To succeed, companies need to adapt to a new way of working that embraces data, digital tools and integrated planning. The ability to plan ahead, manage risk and make informed decisions will define the next generation of leaders in construction and engineering.

Fortunately, technology is making this shift achievable. Tools such as IFS Cloud™, delivered and implemented by Platned, give organisations complete control of their infrastructure projects and the full asset lifecycle. One connected platform enables accurate estimates, clearer procurement, integrated finance and a single version of the truth.



The global construction market will grow by **US \$4.5 trillion** by 2030, reaching **US \$15.2 trillion** in total.



Construction output is expected to be **35% higher** in 2030 than in 2020.

Source: Oxford Economics, Global Infrastructure Outlook.

Three objectives every construction and engineering business should aim for

Rethinking what infrastructure means

The construction and engineering sector can no longer view infrastructure as a simple, linear asset. It is not only about laying tracks or surfacing roads. It is about building intelligent infrastructure that enables economies to grow and evolve.

Think of Japan's bullet trains. They are legendary for punctuality, resilience and minimal disruption during upgrades or maintenance. This is a clear example of what can be achieved through advanced planning, engineering precision and technology working together.

Connecting the old with the new

The future of infrastructure lies in combining smart technology with existing assets. This approach helps reduce budgets and project spend while linking legacy systems with new digital tools. The goal is to create infrastructure that performs better, lasts longer and delivers greater value.

A call for better planning

The industry must now take planning more seriously. Successful businesses need to ask the right questions before work begins. Does the workforce have the right skills? How will political or economic instability affect progress? What happens if material prices rise unexpectedly?

Accurate, data-driven planning has become essential rather than optional.

Three key objectives for the future

Taking these challenges into account, modern construction and engineering organisations should focus on three main objectives as they move into a technology-driven future:



Efficiency: Use data and automation to increase productivity, improve safety and reduce waste.



Control: Strengthen visibility across every stage of a project to manage time, cost and quality.



Resilience: Build flexibility to adapt quickly to market change and future challenges.

At Platned, we help construction and engineering firms achieve these goals through IFS Cloud™, providing the digital foundation needed to plan ahead, connect teams and deliver projects with confidence.

Data, 5G and technology-enabled change in construction and engineering

Technology driving change

The construction and engineering industry is evolving rapidly. Leading organisations are using new digital tools to increase productivity, improve safety and reduce project costs. Much of this progress is being driven by data and analytics.

The power of predictive insights

Predictive analytics now offer valuable insights into environmental conditions, equipment performance and site safety. These insights help businesses anticipate maintenance needs, reduce downtime and control costs. By tracking how assets perform throughout their lifecycle, companies can also explore new service models and build stronger client relationships.

Building digital twins

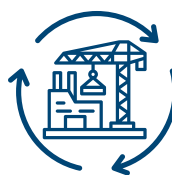
Contractors are increasingly installing sensors on bridges, railways and roads to collect real-time data and create digital twins of their assets. This approach allows for more informed design decisions, smarter maintenance schedules and better long-term planning.

Connectivity through 5G

All this depends on reliable, high-speed communication. The rollout of 5G is transforming how data flows between people, machines and systems. Faster connections support technologies like Building Information Modelling (BIM) and full-site data analysis, which make budgeting, scheduling and resource planning more accurate.

Wearable technology for safer sites

Wearable devices are also becoming a vital part of the modern construction site. Tools that monitor temperature, movement or proximity can protect workers, prevent accidents and reduce lost time. Some devices even manage site access automatically, improving both safety and productivity.

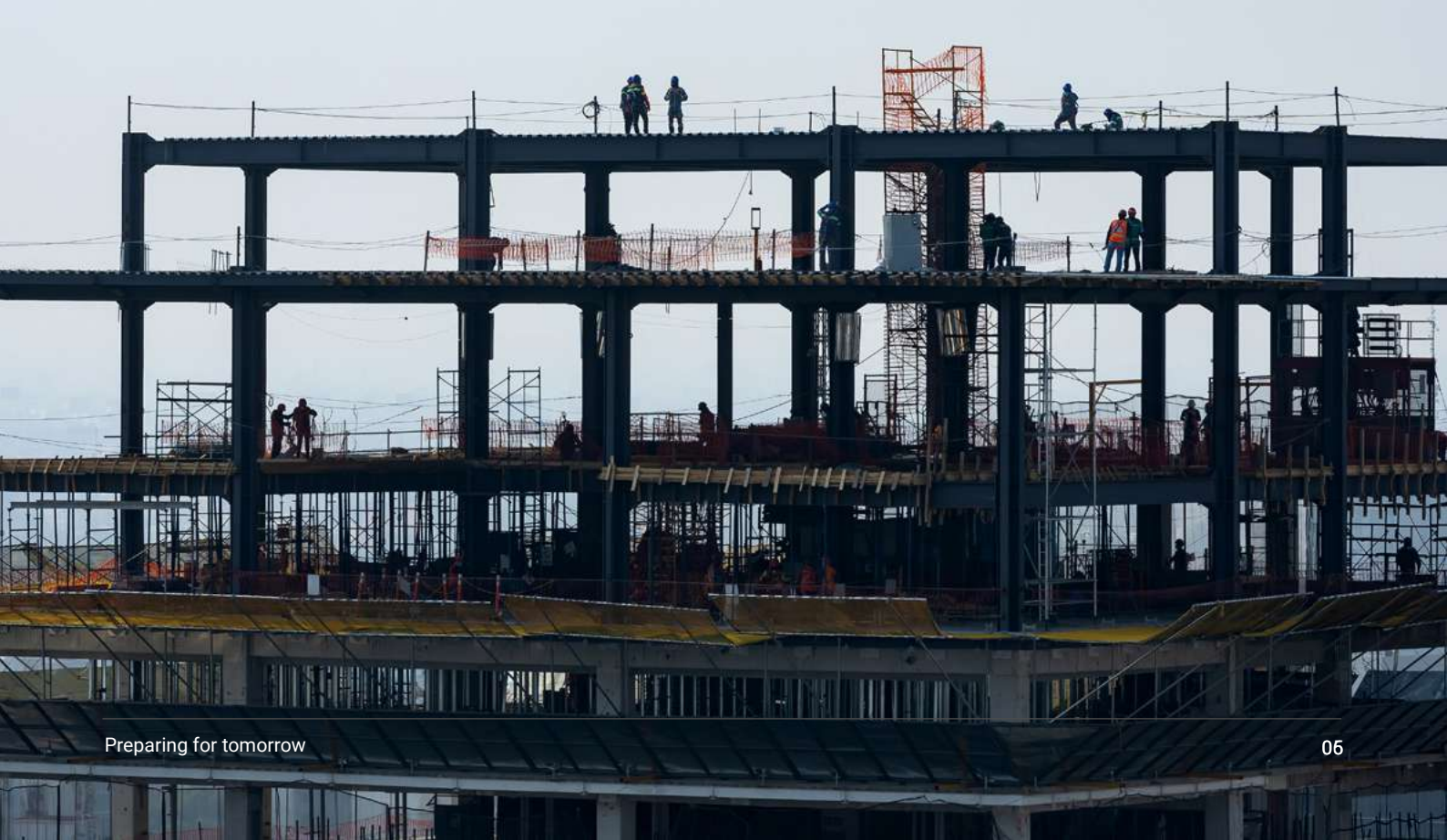
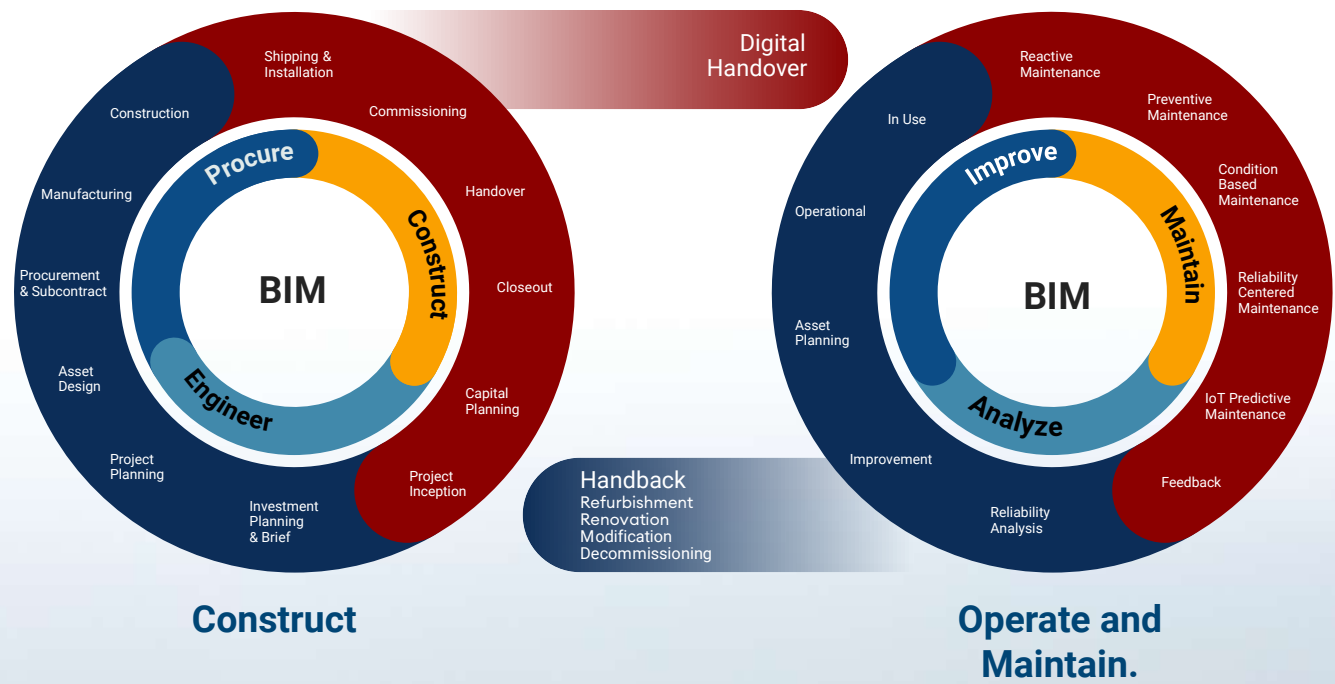


Over the next few years, **65% of construction and engineering organisations** are expected to implement digital asset lifecycle strategies such as **BIM**.

Source: Statista.

At Platned, we help companies take advantage of these opportunities through IFS Cloud™, a single platform that connects data, people and processes. This delivers stronger control, smarter decision-making and measurable business improvement.

Integrated project & lifecycle management



IoT and construction on the edge

Smarter infrastructure through connectivity

Infrastructure continues to evolve, driven by advances in cloud computing and the Internet of Things (IoT). Sensors, cameras and connected devices are now central to how assets are monitored, managed and maintained in real time.

Smart roads and data-driven cities

One of the clearest examples of IoT in action is the development of smart roads. In congested cities, IoT sensors and analytics are helping to manage traffic flow, adjust signals and predict maintenance needs. By collecting data from vehicles and road networks, authorities can respond faster, plan better and reduce disruption.

The power of 5G and edge computing

Smart infrastructure depends on low-latency connectivity enabled by 5G and edge computing. Edge computing uses distributed micro data centres that process or store critical information locally instead of in distant cloud servers. This ensures faster response times and greater reliability, which are vital for safety and operational control.

Adaptive traffic lights can now adjust automatically based on sensor data to keep traffic moving efficiently. They can also detect incidents and change signals to protect drivers and pedestrians.

Supporting sustainability goals

Data plays a vital role in reducing carbon emissions and improving asset life. With governments setting ambitious environmental targets, connected infrastructure helps measure and manage impact. From energy-efficient lighting and traffic monitoring to predictive maintenance, smart systems make sustainability practical and measurable.

Platned and IFS Cloud: enabling intelligent operations

At Platned, we help construction and engineering firms put these technologies into action. Using IFS Cloud™, we connect IoT data with project and asset management systems, giving leaders real-time insight to operate safely, efficiently and sustainably. By combining IoT, edge computing and analytics within one platform, organisations can build infrastructure that is intelligent, adaptive and ready for the future.



Innovation with IFS Cloud

Meeting the demands of modern infrastructure

Infrastructure projects are becoming more complex every year. Bridges are built to span greater distances and carry heavier loads. Roads and railways must adapt to new environments and stricter sustainability goals. To manage this complexity, businesses need systems that can handle risk, improve visibility and enable data-driven decisions before issues arise.

A connected platform for complete control

This is where Platned, working with IFS Cloud™, helps organisations deliver smarter, more efficient infrastructure. IFS Cloud provides the foundation for complete project and asset lifecycle management within one connected platform. It allows construction and engineering businesses to design, build and maintain assets with greater control and transparency. Using IFS Cloud, companies can manage every stage of a project — from planning and procurement through to commissioning, handover and long-term maintenance. The platform combines digital enterprise resource planning (ERP) with advanced enterprise asset management (EAM), helping businesses control costs, increase profitability and reduce delays.

Adopting next-generation technologies

As demand grows for new technologies such as Building Information Modelling (BIM), the Internet of Things (IoT), Artificial Intelligence (AI), Virtual and Augmented Reality (VR/AR) and modular construction, IFS Cloud gives companies the flexibility to adopt and integrate these capabilities at their own pace. Whether deployed in the cloud or on-premise, the system adapts easily to how each business operates.

Key benefits of IFS Cloud with Platned

- ✓ Business improvement and transformational change
- ✓ Complete project and financial control
- ✓ Operational savings through automation and integration
- ✓ Improved productivity across the full construction lifecycle
- ✓ Platned helps organisations unlock these benefits by delivering tailored implementation, integration and ongoing support. Our goal is to help every client realise long-term value from their digital transformation.

Building a smarter, more sustainable future

Now is the time to invest in an integrated business system that supports growth, efficiency and innovation. Together, Platned and IFS Cloud give your organisation the tools to build a smarter, more sustainable future for infrastructure.

About Platned and our partnership with IFS

Driving digital transformation in construction and engineering

At Platned, we help construction and engineering organisations modernise how they operate. Our expertise lies in delivering connected, intelligent systems that improve control, efficiency and profitability across every stage of the project and asset lifecycle. We understand the challenges construction and engineering firms face every day, from managing complex contracts and reducing costs to meeting sustainability targets and maintaining asset performance. With the right technology and the right partner, these challenges can be turned into opportunities for long-term growth.

Our partnership with IFS

Platned is a proud IFS Gold Services Partner. Together, we combine deep industry knowledge with world-leading technology. IFS Cloud™ provides the digital backbone for construction and engineering businesses to manage projects, assets, finance and people in one connected platform.

By partnering with Platned, customers gain access to both advanced technology and experienced consultants who know how to implement it effectively. We deliver full lifecycle services, from implementation and integration to training, testing and continuous improvement.

Built for the future

IFS Cloud is designed to evolve with your business. It is a fully composable, AI-powered platform that brings together enterprise resource planning (ERP), enterprise asset management (EAM), supply chain management (SCM) and field service management (FSM).

Powered by Industrial AI, it helps organisations make informed decisions, improve performance and reduce risk. Whether deployed in the cloud or on your own infrastructure, IFS Cloud gives complete control and flexibility.

Why choose Platned

- ✓ Trusted IFS Gold Services Partner
- ✓ Proven experience across construction, engineering and asset-intensive industries
- ✓ Expertise in implementation, integration, support and testing
- ✓ Global presence with teams in the UK, US, Middle East and Asia-Pacific
- ✓ Together, Platned and IFS help you build for the future – with technology that delivers measurable results and supports continuous improvement.

About Platned

Platned is a global IFS Gold Services Partner, helping organisations get the most from IFS Cloud™ across industries including manufacturing, construction, energy, utilities, service, and more. With offices across the UK, US, Sri Lanka, and the Nordics, we combine deep technical expertise with industry knowledge to deliver successful transformations.

Our portfolio goes beyond implementation – we provide ongoing optimisation, managed services, and specialist tools such as Mahara for automated testing, ParsaAI for finance automation, Platned Gateway for proactive support, Boomi for integration, and Power BI for data insights.

We are trusted by leading organisations worldwide to deliver solutions that improve resilience, increase profitability, and support sustainable growth.

Find out more about how Platned can help your business today:
platned.com

