

# How to adopt modern methods of construction



Across the **five stages** of the value chain

The construction and engineering value chain is undergoing a continual evolution in size and complexity.

To perform at your best, you need to identify where your business operates in the value chain. Otherwise, without understanding where you fit there's a risk of lengthy delays, increased costs, slow time-to-market, and low-profit margins.

Progressive organizations are adopting modern methods of construction across the value chain to become world-class manufacturing and construction businesses. Here, we examine the value chain and what modern methods of construction (MMC) you can use to increase efficiency in your operations.

## Stage 1

### Design

Choosing your method of construction is critical, so the asset is easy to build and maintain. Another key consideration is accuracy—whether it's designs or estimates, getting things right now can save you time and money.

Tools such as Building Information Modelling (BIM) are used to generate numerous models to map out the design and construction of an asset.



### MMC methods for greater accuracy and quality?

- Think standardized components and processes



## Stage 2

### Manufacturing

At the second stage, manufacturing, modern construction methods aim to decrease onsite construction work and create a controlled offsite work environment.



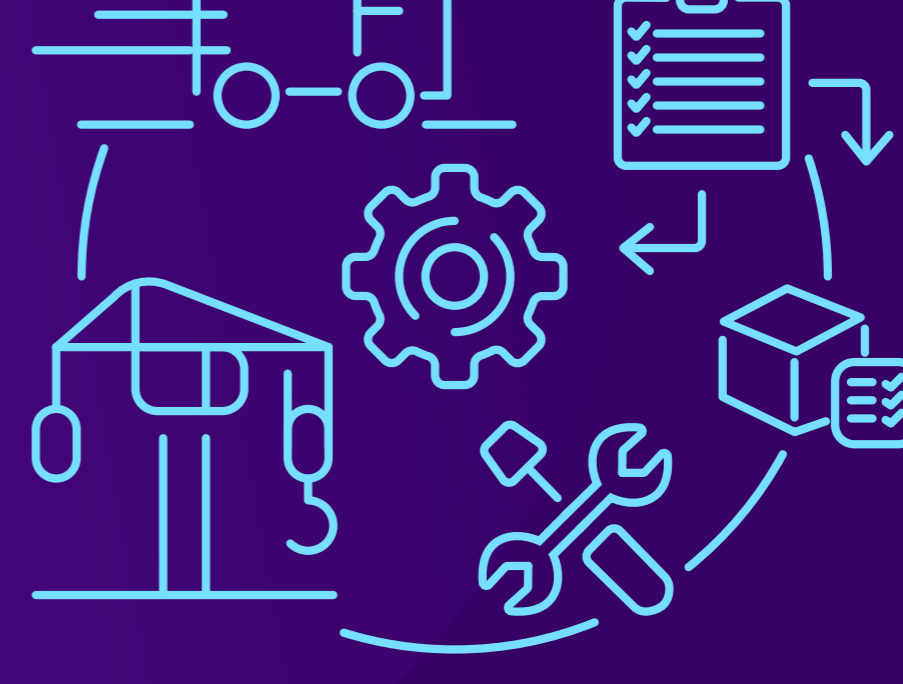
### MMC methods to improve quality and gain greater control?

- Precast concrete and foundations
- Modular construction and tunnel form

## Stage 3

### Shipping & Logistics

Shipping and logistics are under constant pressure. Getting inventory to the right place at the right time is vital.



### MMC methods to support structured best practise supply chain processes?

- Use of part numbers
- Warehouse codes
- Optimized transport management systems



## Stage 4

### Construction & Execution

At the penultimate stage, the focus is on the job site execution. Jobsites are increasingly becoming assembly lines to save time, reduce costs and increase efficiencies.



### MMC methods to enhance productivity, efficiency, and quality?

- Well managed work packages delivered effectively
- Platform Design for Assembly and Manufacturing

## Stage 5

### Operation & Maintenance

The final stage in the value chain is the continuous operation and maintenance of an asset after completion. Typically completed by a specialist company, more and more engineering and construction companies are now providing these services over the asset's entire lifecycle.



### Technologies to gain intelligent insights and make maintenance easier to perform?

- IoT
- Sensors
- Wireless and edge-based analytics

## Regain control of the Engineering and Construction value chain

Whether you're a design specialist or a general contractor spanning the entire value chain, IFS Cloud provides an industry-specific solution that contains the core functionality for your business that allows you to differentiate in these 3 areas:

- 1 A comprehensive ERP Backbone supporting the entire value chain
- 2 Continuous innovation in line with modern methods of construction
- 3 Complete control that ensures projects are delivered on time, on budget and at a high quality

Click here to learn more about modular construction with IFS.

Let's talk modular construction.

#### 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](https://ifs.com).

#MomentOfService

Copyright © 2021 Industrial and Financial Systems, IFS AB. IFS and all IFS products and services names are trademarks of IFS. All rights reserved. This document may contain statements of possible future functionality for IFS's products and technology. Such statements are for information purposes only and should not be interpreted as any commitment or representation. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

ifs.com

Production: twogether Creative, October, 2021.