

Connected Manufacturing with AI

Empowering your
people and business

Change 



IFS
SILVER
CHANNEL
PARTNER

Transform your operations with connected manufacturing

With the **power of AI** behind each component, you can not only increase efficiency but also improve your sustainability efforts.

IFS Cloud is the solution that ties it all together empowering you to stay ahead in a competitive market.

Welcome to the future of manufacturing – Connected Manufacturing.

By joining up your factory, supply chain, and workforce, you gain real-time insights that help you make smarter, faster decisions.

The Connected Factory

Streamline operations by linking machines and systems, allowing real-time monitoring and predictive maintenance.

The Connected Supply Chain

Achieve transparency with real-time data to optimise procurement, reduce waste, and speed up deliveries.

The Connected Worker

Equip your workforce with the tools and insights they need to stay productive, safe, and informed.

The real time decision making advantage

“Operating increasingly in real-time helps companies sense and respond to changes in an increasingly volatile business environment.

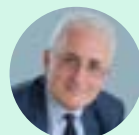
There is no longer time to pass decisions up and down the traditional business hierarchy.”

Published research in August 2024 from The Massachusetts Institute for Technology (MIT) showed that companies using real time data achieved 97 per cent higher profits. They also achieved **62% higher growth**.

With increased process automation and the use of AI, they enabled employees at all levels to make fast decisions, based on trusted real time data.

The companies were able to respond immediately to opportunities and challenges, to increase operational efficiency and manage risk.

By empowering their employees with real time data they created a continuous loop of improvement and innovation.



The Massachusetts Institute for Technology (MIT) is the world's leading university for engineering.

Peter Weill is MIT's Senior Research Scientist and has been Chairman of the MIT Center for Information Systems Research for 25 years.

See the full report: What's Next: Top Performers Are Becoming Real Time Businesses.

https://cisr.mit.edu/publication/2024_0801_RealTimeBusiness_WeillvanderBergBirnbaumdePlanta

“The future is already here, it’s just not evenly distributed.”

so said William Gibson, an American-Canadian author, who imagined an information superhighway long before the Web existed. He called it ‘cyberspace’.

And in many ways the future is already here. It always is. Today companies are leveraging data to make key operational decisions in real time, and using AI to make decisions about tomorrow. The race is on, and businesses that fall behind could risk severe consequences.

In their ‘Take on Tomorrow series’ this year PWC, one of the ‘Big Four’ global consultancies, reported that over half of the Fortune 500 companies from 2003 have either closed, been acquired, or otherwise ceased operations.

They said mega trends like climate change, technology disruption, regulatory change and cyber security threats are accelerating. And as such the pace of change is increasing. Therefore so is the need to respond in real time.

Business that don't could suffer a similar fate however they can future-proof by beginning the move to real time operations. They don't need to be brilliant at delivering real time data at the outset, they just need to make a start.

In PWC’s most recent Global CEO Survey, 45% of CEOs believe their companies won’t survive the next decade if they don’t evolve, underscoring the need for businesses today to adapt and innovate.



Listen to the PWC podcast: Take on Tomorrow

<https://www.pwc.com/gx/en/issues/reinventing-the-future/take-on-tomorrow/ideas-for-growth-podcast-episode.html>

How do real-time decisions increase agility in manufacturing?

A fully integrated management platform, embraced and adopted by the workforce allows manufacturers to leverage powerful new capabilities in every aspect of their operations.

The resulting speed, awareness, and insights provide numerous opportunities to improve production, increase quality, avoid downtime and reduce energy consumption.

IFS is a leading ERP software provider to the manufacturing industry. Their solutions play to these key areas leveraging leading software solutions based on decades of industry experience and cutting edge technology.



A successful implementation and adoption of IFS can help manufacturers to:

Optimise production schedules

with intelligent scheduling that goes beyond what is typically used today. Real-time data from across the organisation can be used to create dynamic production schedules that make the most effective use of systems, people, assets, and processes. Production schedules can also be dynamically updated to reflect new criteria, changes in demand, urgent requests, and resource availability so time and effort are not wasted due to lack of insight.

Find quality issues earlier in the process

by using real-time statistical process control to reveal issues that could have remained undetected for much longer. Issues can be resolved before they result in costly production changes or product recalls, both of which negatively affect customer perception of the organisation and its products.

Avoid production downtime and early parts replacements

by upgrading from preventive maintenance to predictive maintenance. The operational health and performance of production-critical equipment can be automatically monitored in real time, so weaknesses and deterioration can be identified and addressed at the right point in time, rather than based on a set schedule.

Reduce energy consumption

by using predictive maintenance data to monitor energy usage trends across equipment, machines, and facilities. With the right data, it's easier to spot areas where increased energy consumption is a symptom of a bigger problem, as well as opportunities to cut energy costs and strengthen environmental sustainability initiatives.

The focus is on empowering the person

All adopted with a focus on the team and the worker emphasising the importance of elevating the recipient up the value chain. With new tools and insight it enables greater efficiency and provides the data and analysis to inspect and adapt for further improvement.

They gain the ability to anticipate risks before they become issues, and leverage opportunities before they are missed.

Webinar

Join us as we
discuss the topic of
**Connected
manufacturing**
27th February 2025

Change 



Sign up today
change8.co.uk/webinar-connected-manufacturing

5 reasons to consider IFS Cloud with AI

1 Complete Business Solution

End to end life cycle support from design to engineering to production, and delivery to service and repair.

With IFS Cloud everything is in one place and you have a single version of the truth.

This means getting your product to market faster, producing a higher quality product, improving product safety, increasing sales opportunities, and reducing errors and waste.

2 Advanced Scheduling Techniques

AI is an integral part of the IFS Demand Planner to help identify patterns and trends. It can also be linked to external sources to improve forecast accuracy.

Demand Driven MRP (Material Requirements Planning) certified by the institute of DDMRP (Demand Driven Material Requirements Planning)

IFS buffer levels are set by algorithms approved and certified by the DDMRP institute.

3 Integrated Project Management

Full project management for resources and costs

IFS Cloud includes full project resource and material planning. This means that forecast costs, capacity and time can be tracked closely, making the project as cost effective as possible.

Control of project specific inventory

Controlling and protecting parts purchased for use on a specific project is always a challenge. With IFS Cloud, project inventory is protected and cannot be used without permission, which reduces shortages.

4 Operational Intelligence

Industry specific Lobbies are available immediately, so users can 'get up and running' with less training.

Manufacturing KPIs are available straight away, giving insight to actions needed.

Manufacturing Visualiser that shows available resources against predicted and forecasted demand.

5 Integrated Quality Management and Document Management

Quality Management, including compliance, audits, and quality plans

Reporting production build deviations, or Non-Conformance Reports, is possible at any point in the manufacturing process by the person finding the issue, at the time the issue is found. This could be a machine operator or someone in "Goods Receiving" capturing the issue at source, which in turn saves time and builds a picture of where quality issues are happening. These issues can then be dealt with through a fully auditable and consistent quality process.

Document management with full access and revision control

Full revision-controlled document management is available across IFS Cloud. This means no more searching through physical archives for hard copies and saves time by reducing ad hoc requests to find information or paperwork.

For example, all safety documents or measurement reports can be attached to the goods receipt record so anyone can access the information if they need it.

Change8 transforms manufacturers operations with IFS.

We believe successful ERP programmes begin with people. We work with you to implement the optimal solution, uniting excellence in change management with deep technical expertise.

change8.co.uk/erp-for-manufacturers

Change8



IFS
SILVER
CHANNEL
PARTNER