

Optimizing the performance of assets with EAM

How to resolve 5 daily asset maintenance challenges for Chemical plants.





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Introduction

Managing maintenance for an asset-intensive chemical processing facility is complicated, with ongoing pressure to minimize unplanned downtime, enhance productivity, and control costs.

The operation must also comply with Occupational, Health, and Safety Administration (OSHA) requirements.

IFS customers leverage Enterprise Asset Management (EAM) technology to coordinate these critical processes within a single platform, gaining vital data to guide the operation and ensure asset productivity is maximized.

EAM Technology

Chemical processing organizations rely on IFS Ultimo to maintain enterprise assets across single or multi-site operations. The technology helps asset managers achieve safety, maintenance, and productivity goals.

IFS Ultimo provides a central repository for asset data from which scheduled and planned maintenance is organized to minimize downtime. The system efficiently manages every asset across its entire lifecycle, from deployment to decommission.

This eBook outlines the top five daily challenges maintenance professionals face, and how IFS Ultimo helps to resolve them.



Challenge 1: Optimizing uptime



Many chemical manufacturing processes run a continuous operation. Downtime, whether planned or not, quickly affects production targets and profitability.

Often it takes days for the process to recommence, with significant impacts to cost due to lost production, material waste, asset cleaning, and restarting production.

IFS Ultimo protects uptime, providing real-time data to guide well-informed maintenance decisions. Reactive maintenance becomes proactive, incorporating IoT capabilities for risk-based maintenance practices.

With the right data, managers have better control over asset performance, mitigating potential risk factors while performing appropriate maintenance activities at the right time.

“

The Failure Mode, Effects, and Criticality Analysis (FMECA) strategy in Ultimo has helped us reduce the downtime by 40.”

Kisuma Chemicals



Challenge 2: Enhancing OSHA compliance

IFS Ultimo simplifies compliance with OSHA inspections and regulations.

Chemical processing operations handle hazardous materials on a regular basis. Failure to comply with safety regulations leads to catastrophic results, hence the strong risk focus within the industry.

IFS Ultimo aligns asset maintenance processes with industry and government regulations within a single system, providing real-time asset status and conditions. Along with oversight, the technology ensures maintenance tasks proceed only when the required safety procedures are complete.

Featuring a host of modules, IFS Ultimo meets the complex safety needs of a chemical processing environment. Risk assessment, work permit, and Log Out Tag Out (LOTO) modules help evaluate potential risks, providing detailed steps to ensure maintenance is carried out safely.





Challenge 3: Controlling costs

The management of assets at different stages in their lifecycle is challenging and costly.

IFS Ultimo provides the data you need

Without clear data about asset performance, it's impossible to know which assets are cost-intensive, let alone take action to correct the issue.

IFS Ultimo provides the data you need to identify inefficient practices and underperforming assets, enabling you to determine the most cost-effective maintenance strategy.

Better informed decisions

Better-informed decisions over maintenance activities help you reduce the risk of asset failure, minimizing the costs arising from unplanned downtime.

Access to reliable asset performance data is essential to benchmarking, helping to set realistic goals and plan strategic improvements for additional cost savings.



Challenge 4: Extending asset life

Without reliable, real-time data, asset management is reactive. To take the right action at the right time, you must know with certainty the impact of different maintenance strategies on the health of the asset.

To learn more about IFS Ultimo,
request a free demo!

[Book a demo](#)

Why choose Ultimo EAM software?

IFS Ultimo helps you understand the condition of each asset, including projected costs based on whether intervention occurs or not. With precise data analytics, managers make timely decisions for repairs and replacements. Maintenance scheduling is streamlined, asset life is prolonged, and unplanned downtime is minimized.



Challenge 5: Digitizing domain knowledge



Human intelligence

Workers have a wealth of information regarding the maintenance history and activities carried out over the years. Capturing these data ensures the information is never lost.

Business intelligence

With all data and workflows captured in IFS Ultimo, the company has a historical record of asset management and the actions taken to maintain asset health. The sharing of knowledge between teams and employees is easy, while accurate records detail previous repairs and parts, providing valuable historical context.



Conclusion

Implementing IFS Ultimo is a prudent step for any forward-thinking organization.



IFS Ultimo provides real-time asset management capabilities with seamless maintenance planning and scheduling.

Accurate data analytics inform important business decisions that ensure worker health and safety, regulatory compliance, and operational productivity on a single platform.





About IFS Ultimo

IFS Ultimo is a SaaS EAM solution from IFS, focused on maintenance & safety and well known for a rapid deployment, ease of use and an unparalleled time to value. Details about IFS Ultimo can be found at [Ultimo.com](https://ultimo.com).

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 5,900 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.

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