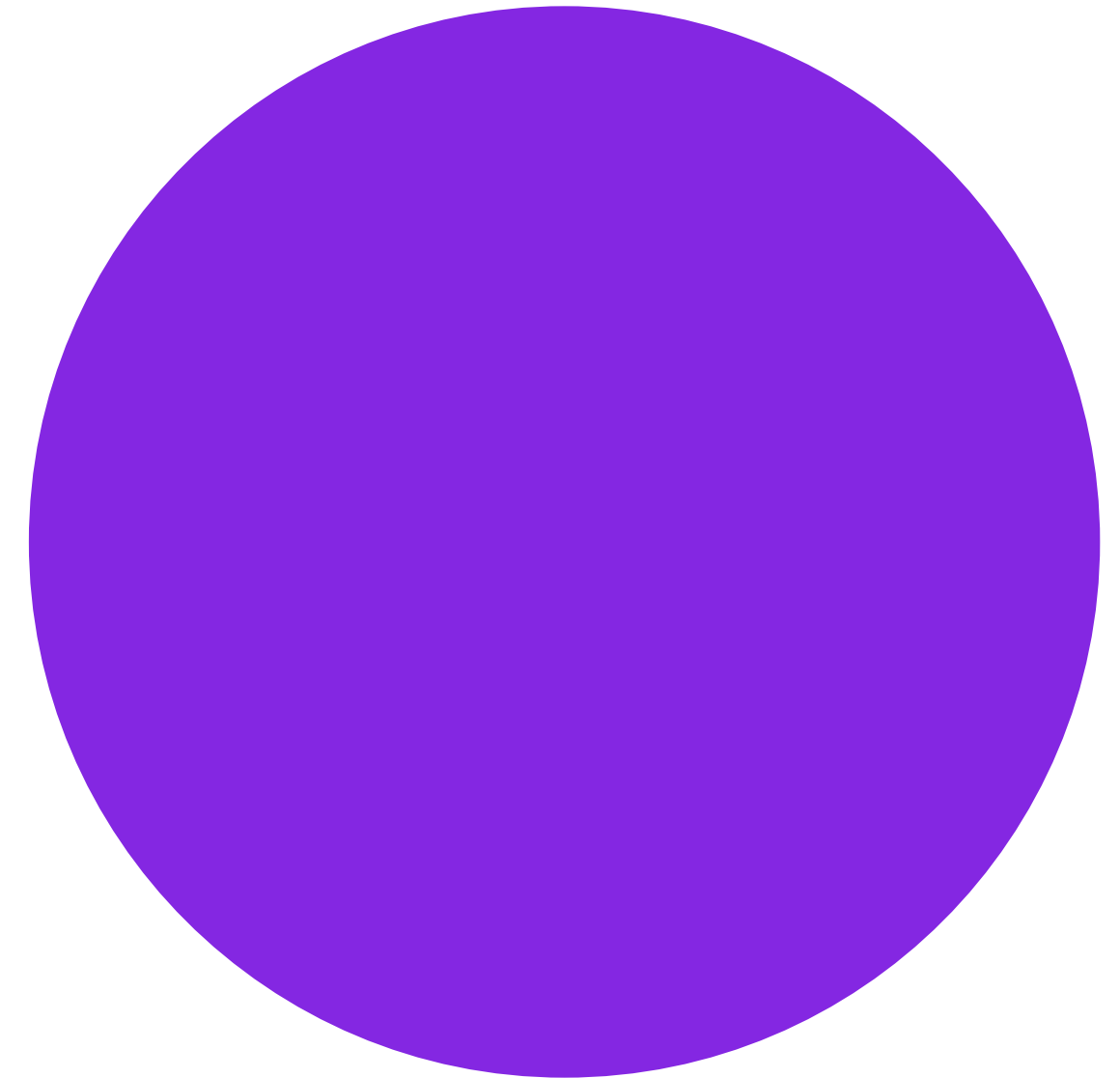


# IFS Solutions For Ports & Terminals



# Contents

# IFS Value Summary







# Trends And Challenges Ports & Terminals

Ports are gateways for 80% of merchandise trade by volume and 70% by value. Challenge for a greater share of this opportunity by ensuring you can support quick and safe vessel turnaround—as shipping and logistics companies opt to unload at the most efficient port.

Asset management is at the core of the smart port operation. Bridges, railways, cranes all must perform when needed, and optimizing the usage of ground vehicles can ensure you get more performance from your fleet.

## Globalization

Investment in ports and their related transport infrastructure to advance trade and promote overall economic development and growth is therefore vital—particularly in emerging economies.

## Automation

New ports & terminals are becoming more automated. Vessels arriving are becoming bigger and the objective to turn those vessels around optimally becomes a major imperative.

Digital Transformation delivers the capabilities to turn these trends and challenges into new opportunities and additional revenue streams or safer, more efficient company operations.



# Digital Transformation

Digital Transformation offers Ports & Terminals the opportunity to meet and overcome those challenges and market trends by focusing on the following key value drivers:

## Customer satisfaction

In a truly international value chain, transportation organizations have a choice of where to offload their cargo to reach their markets. Ports and Terminal operators need to offer a reliable and efficient offload service—measured in moves per hour and dwell time—to deliver value to their customers.

## Asset performance

The assets that need to be managed vary in complexity, buildings, facilities, tenanted offices, cranes, stacker trucks, rail track and all manner of fleet assets require a comprehensive and flexible asset management solution.

## Integration

Equally critical is the ability to seamlessly integrate the many, varied processes conducted—systems will need to collaborate across the Terminal Operating System as well as to Marine and Landside Operations tools to achieve efficient management.

An ERP platform that has the functional breadth to deliver the breadth of capability to span the corporate management of the financial aspects of a complex and diverse, often international, business—as well as the operational and strategic elements of project and asset management is essential to digital transformation.





# A Platform for Innovation

By 2023, 75% of assets will be digitally connected—but how they are integrated will make or break the drive to digitalization.

Emerging technologies such as big data, IoT, augmented reality, digital twins, present new opportunities to optimize power generation operations, connect with customers and achieve total generating capacity and business visibility.

IFS gives customers a single enterprise solution. This is the key to identifying where innovative technologies will deliver the greatest value—to the business and to the customer's experience.

IFS not only delivers that single enterprise platform, but is also at the forefront of supporting our customers who are using these technologies today to deliver value to their business.





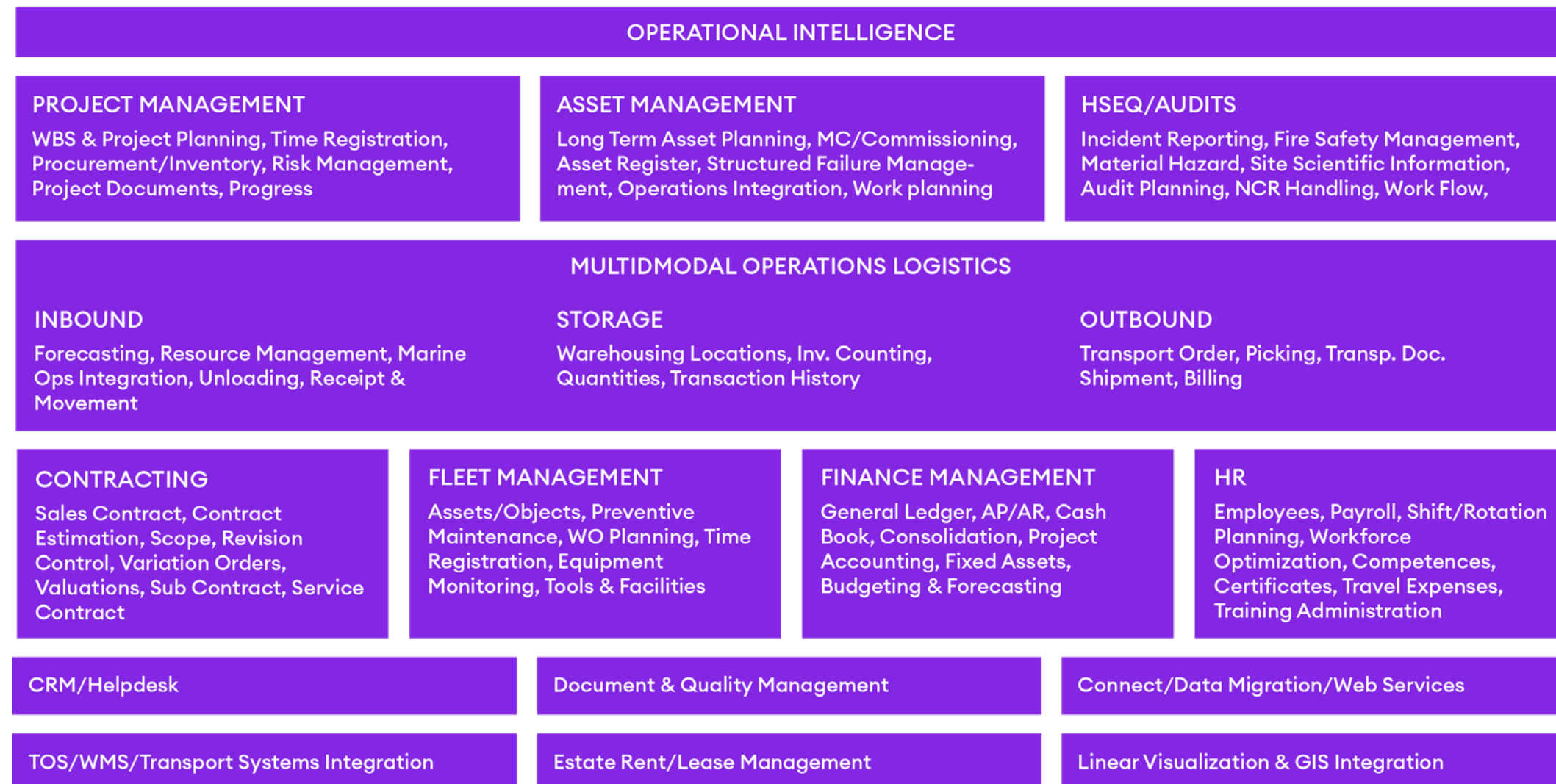
# IFS Solution for Ports & Terminals

IFS offers Project and Asset Management solutions, as well as enterprise and service functionality, that can help Ports & Terminal operators to maximize operating efficiency and increase their vessel throughput capacity.

## BUSINESS PROCESSES



## APPLICATION SOLUTIONS



# Analyst Recognition

These software solutions from IFS have been independently recognized as a leader by a number of respected analyst firms across our ERP, EAM and FSM offerings.

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# Enterprise Resource Planning

IFS provides a complete Enterprise Resource Planning software solution that includes the functionality required to manage complex organizational landscapes involving multi-company structures, international operations, joint ventures and more. In addition, this same platform delivers the deep Project, Asset and Service management functionality essential to Ports & Terminals.

This means you can increase the efficiency of your entire organization by streamlining your core processes and deliver a clear and accurate picture of performance at all levels.

Delivering a single solution that meets the functional depth of best of breed specialists in Project and Asset Management in a single software platform including core enterprise processes like supply chain management, financials and human capital management, means IFS is best placed to support digital transformation in Ports & Terminals.

## Solution highlights

- Finance & Accounting
- Procurement & Inventory
- Complex Supply Chain
- Performance & Financial Reporting and Analysis
- Health, Safety & Environment
- Human Capital Management
- Asset Management & Maintenance
- Project Management & Financial Control
- Service Management



# Enterprise Asset Management

IFS offers comprehensive functionality to support the entire asset lifecycle, from cradle to grave.

Whether you are planning new investments in handling or offloading equipment, operating and maintaining it over its productive lifecycle or executing a refit or decommissioning, then IFS provides a single version of the truth to help you maximize value through the asset lifecycle.

As part of a complete enterprise product or as a standalone enterprise asset management solution, IFS offers the freedom to implement as much functionality as you need to meet your asset management and other organizational requirements while improving reliability and lifecycle management.

This means IFS offers Ports & Terminal operators the choice of a global enterprise solution with world-leading asset management functionality, or a best-of-breed beating Enterprise Asset Management solution that can be integrated into your wider landscape.

## Solution highlights

- Investment Planning
- Lifecycle Management
- Performance Management
- Preventative Maintenance
- Linear Asset functionality
- Embedded Geographic Integrated Health & Safety
- Workforce Management





# Complex Supply Chain

Is your supply chain so transparent that you can view your entire multi-site, international, mixed portfolio enterprise with the same degree of accuracy as you do at each individual site?

IFS supports companies to manage the complexities of their global supply chains, supporting inter-company transactions, global spare parts program as well as specific site held inventory.

Our solution enables management, as well as planning and forecasting, in the same platform that finance,

projects and maintenance are conducted.

## Solution highlights

- Warehouse management and mobility
- Multi-site order and returns management
- Single integrated platform and interface





A large container yard with a crane lifting a blue container. The yard is filled with stacks of red and blue shipping containers. A green truck is parked on the left, and a small tractor is on the right. The sky is blue with some clouds.

# Project Management

Those charged with managing complex project lifecycles are often forced to use separate software products to manage different stages of the project—tendering, commercial, estimating, engineering, procurement, manufacturing & fabrication, planning, cost control, construction, installation and commissioning.

Our enterprise project management software capabilities unite these steps in a single integrated process, pulling data on real-time activities directly into a project plan. This affords the ultimate in control and visibility, enabling real-time control over cost, cash, time, resources and risk. We offer a true project-based solution—in essence, an enterprise solution built around project management principles rather than repetitive processes.

## Solution highlights

- Project Financial Control
- Engineering and Design
- Construction and Installation
- Project planning
- Project management
- Risk and opportunity



## About IFS

IFS develops and delivers 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 4,000 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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