Minimising Project Risk & Maximising Outcomes for Mining Operations



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Risk's Facing Project & Asset Intensive Industries

- Quality Information
- Integration Complexity
- Implementation Risk

Who Is On First??





This is IFS today

Today we are a global company, working with some of the world's largest businesses

Countries

50+



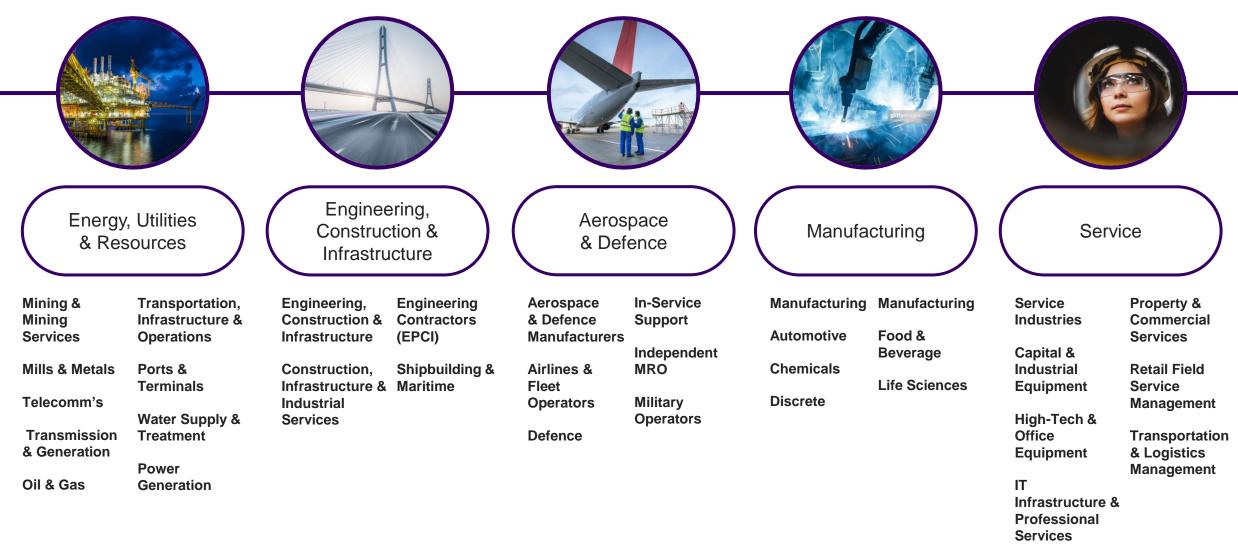
Cloud revenue

Employees



IFS

Core Verticals





Unparalleled Customer Advocacy



The true measure of **sustainable success** is how our customers feel about us, and how they rate us.

Across all of our solutions, we consistently have the highest customer feedback scores.

EAM RATING VS. COMPETITORS

IFS: 4.4 SAP: 4.3 Oracle: 4.3 Infor: 4.3 IBM: 4.2

ERP RATING VS. COMPETITORS

IFS: 4.7 SAP: 4.3 Microsoft: 4.2 Oracle: 4.2 Infor: 4.1

FSM RATING VS. COMPETITORS

IFS: 4.9 Salesforce: 4.5 Microsoft: 4.5 ClickSoftware: 4.5 Oracle: 4.0



Gartner peerinsights™



IDC business value study: **EUR** Choice pays off



17

Global study of IFS customers

+24%

Finance Team productivity +17%

Supply Chain Team Productivity



Capital Asset Management Team productivity IFS helps us extend the life span of capital assets. It's around 10–15% longer because of higher maintenance quality and assessments.

66





Source: IDC White Paper, sponsored by IFS, The Business Value of IFS Enterprise Solutions with Industry-Specific Use Cases, September 2019

Customers

We've helped all kinds of mining companies reduce costs, improve efficiencies and seize new opportunities for their business

Resolute R

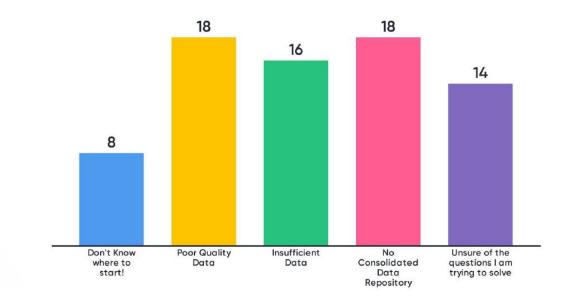
"Before implementation, Resolute evaluated a number of competing global ERP suppliers. We chose IFS because it was consistently strong across all the different areas, especially Asset Management" Jodie Hatch, Chief Technology Officer Resolute Mining Limited.



Quality Information

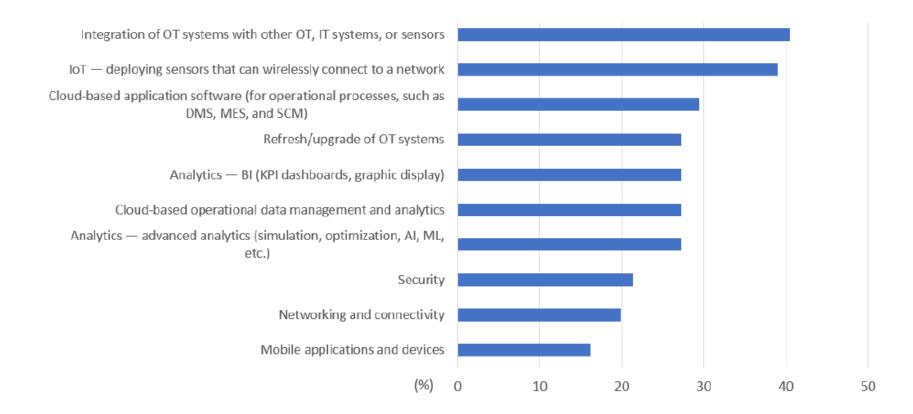
- Data Capture
- Data Governance
- Leveraging Data
- Security

What is the Biggest Challenge you face with regard to Data.





Top Priorities for Investment



Notes:

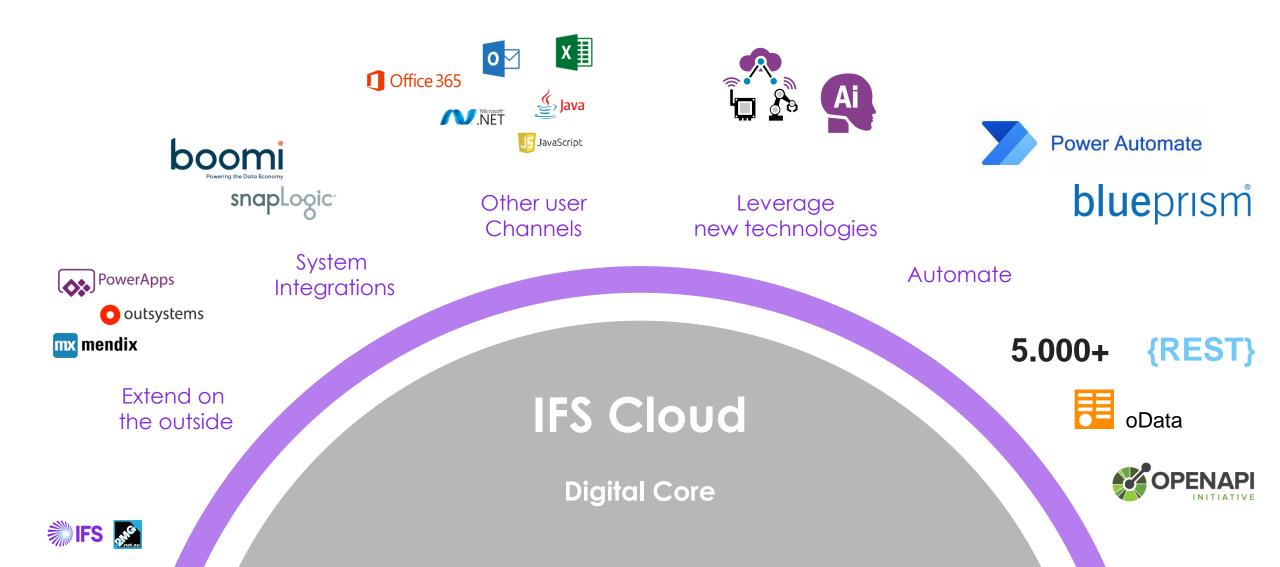
- n = 136 for Asia/Pacific
- BI stands for business intelligence; DMS stands for distribution management system; MES stands for manufacturing execution system; and SCM stands for supply chain management.

Source: IDC Insights Worldwide IT/OT Convergence and OT Security Survey, 2020



Connect and Integrate

With IFS Cloud as your Digital Core



Supporting Digital Transformation

Innovation Embedded

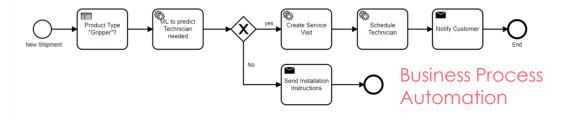
- Embedded into real industry scenarios
- Remove complexity, cost, time, risk
- Better productivity, experience, quality
- Unique capabilities
- Platform application services, easily applied across multiple use cases

Remote assistance



Embedded Scheduling





...ML service, IoT, ...and more

Open to extend, connect, integrate

- Open access to data, media
- 100% open RESTFul APIs
- API parity
- Dedicated development team for extensibility

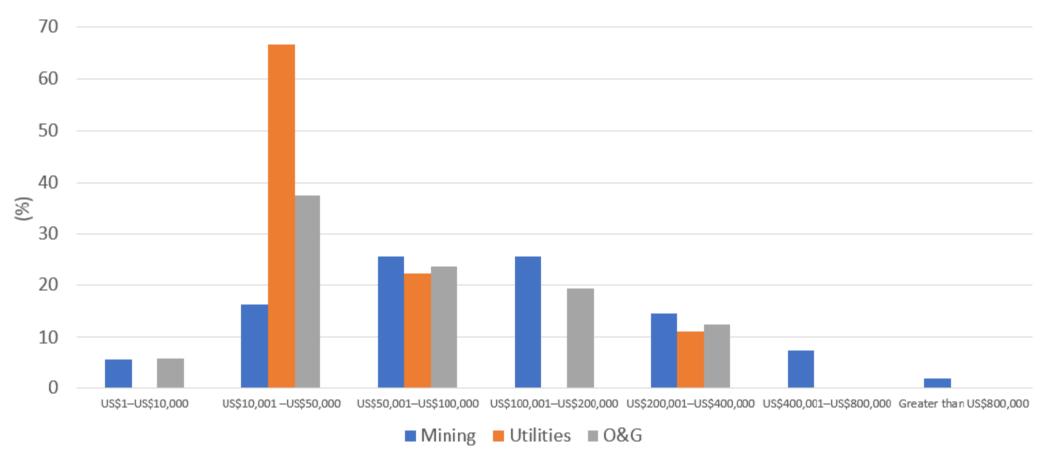


API Explorer

1	Projection Name : TimeC	ard 🔻 ⊗ Description	Component	Settings			
E Projection Name Description Co							
	TimeCardRep Report - Time Card						
	Add to Favorites	landling	Manager Time Card Handling Process	TIMMAN			
	Specifications		Casual User Time Card Handling Process	TIMMAN			
	Specifications	Users OpenAPI v2	Time Card Details Manager realted components	TIMREP			
	Documentation	OpenAPI v3	Time Card Details Employee realted components	TIMREP			
		Odata					



Cost of Unscheduled Downtime in Asia/Pacific (Mining, Utilities, and Oil and Gas)

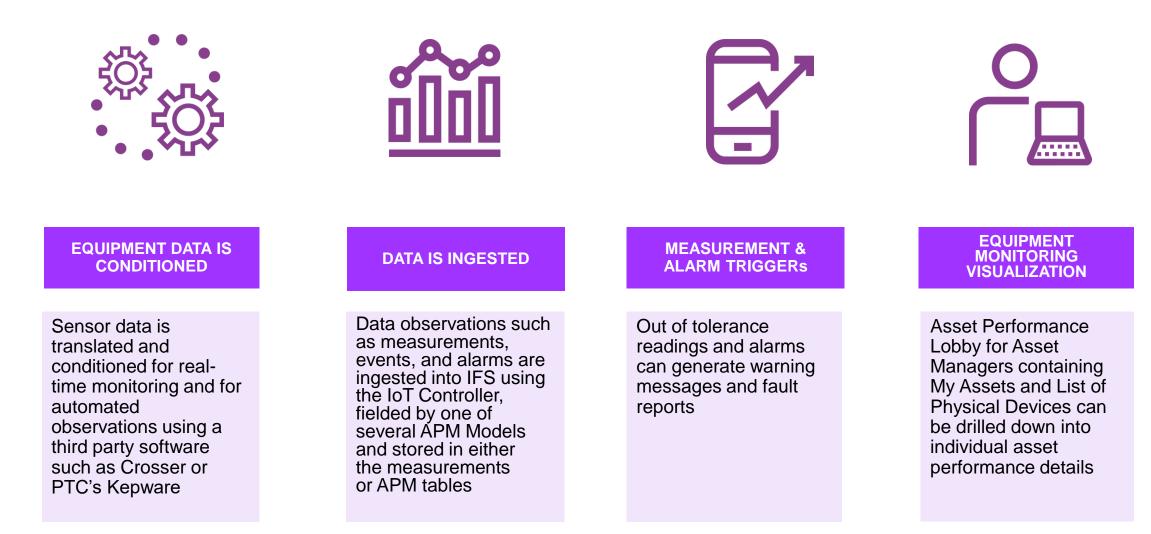


Note: n = 136 for Asia/Pacific

Source: IDC Insights Worldwide IT/OT Convergence and Operational Technology Security Survey, 2020



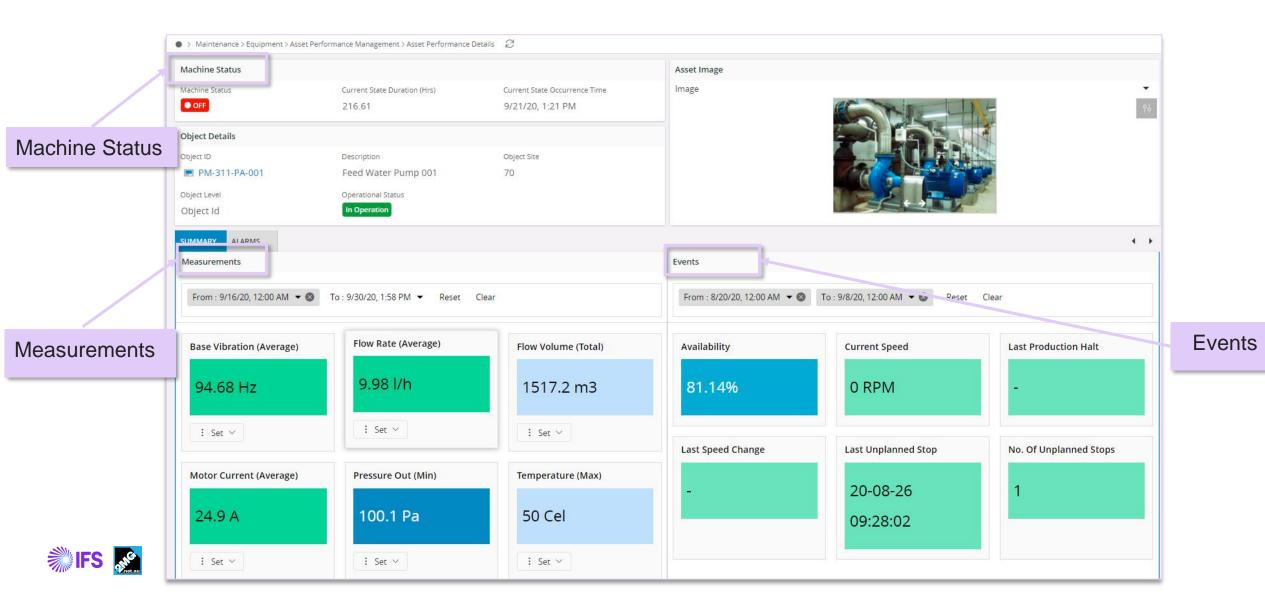
Asset performance management





Equipment Data collection

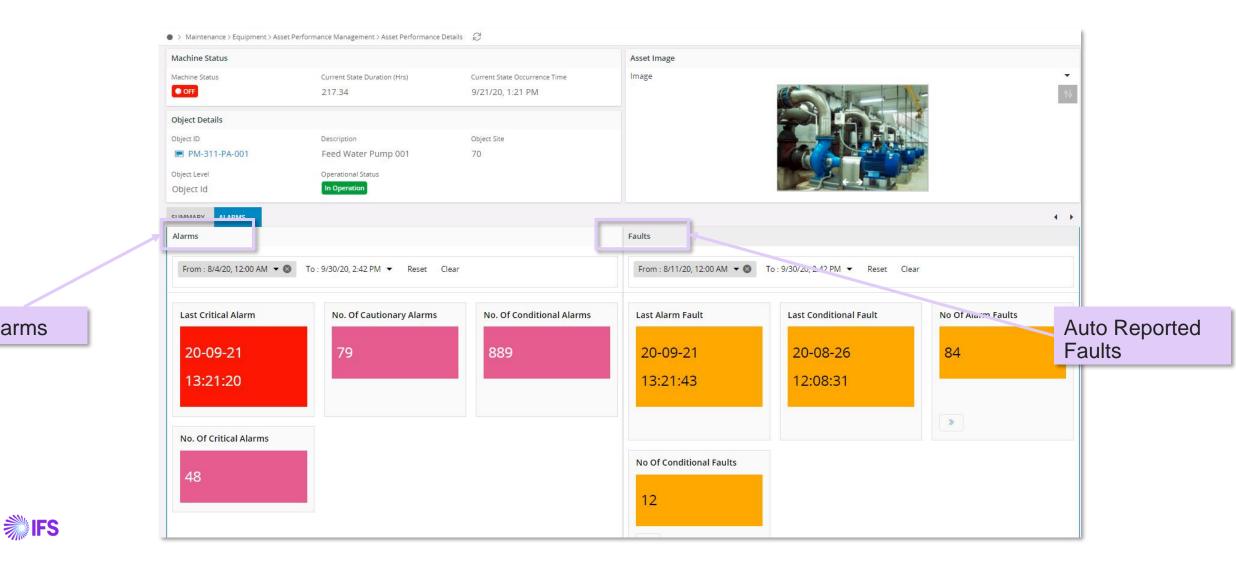
Asset Performance Details



Equipment Data collection

Asset Performance Details

Alarms



Integration Complexity

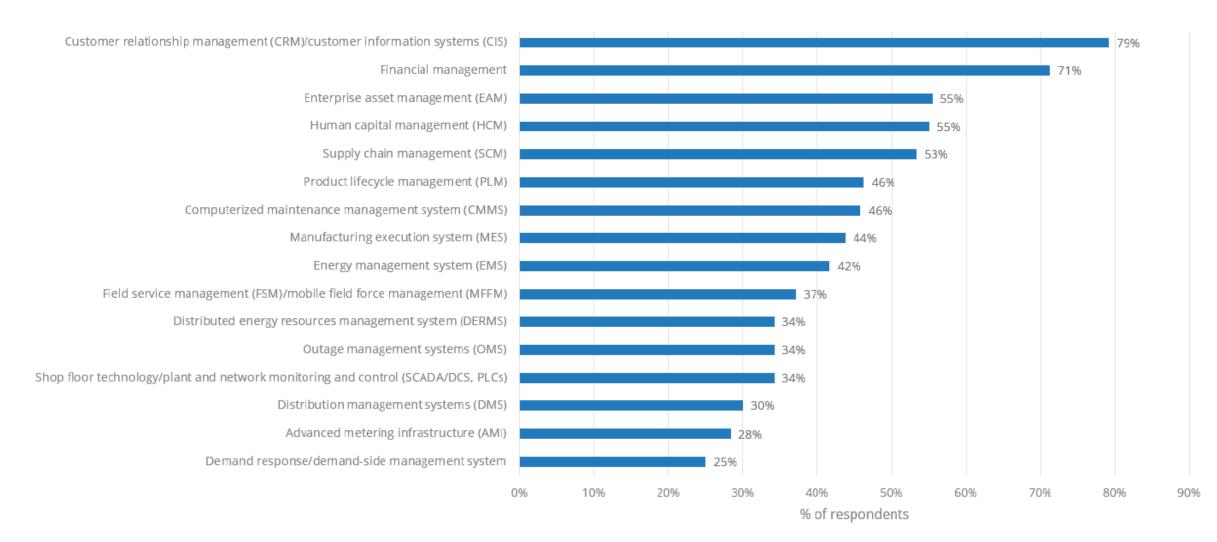
There are a multitude of solutions required to meet the complex nature of mining operations, as such data Governance and strategy must be at the forefront for the approach to Integration, as should be the need to remove the need for unnecessary integration.

- Streamline Processes
- Optimise Production
- Gain Valuable Insight from Data
- Confident Exchange of Data
- Reduced Manual Intervention
- Increased Accuracy





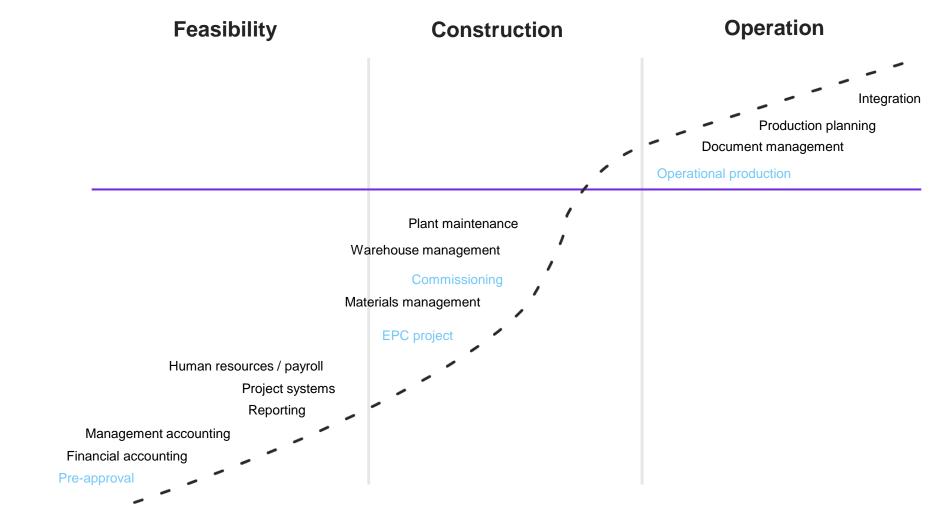
Typical Integrations with ERP Systems





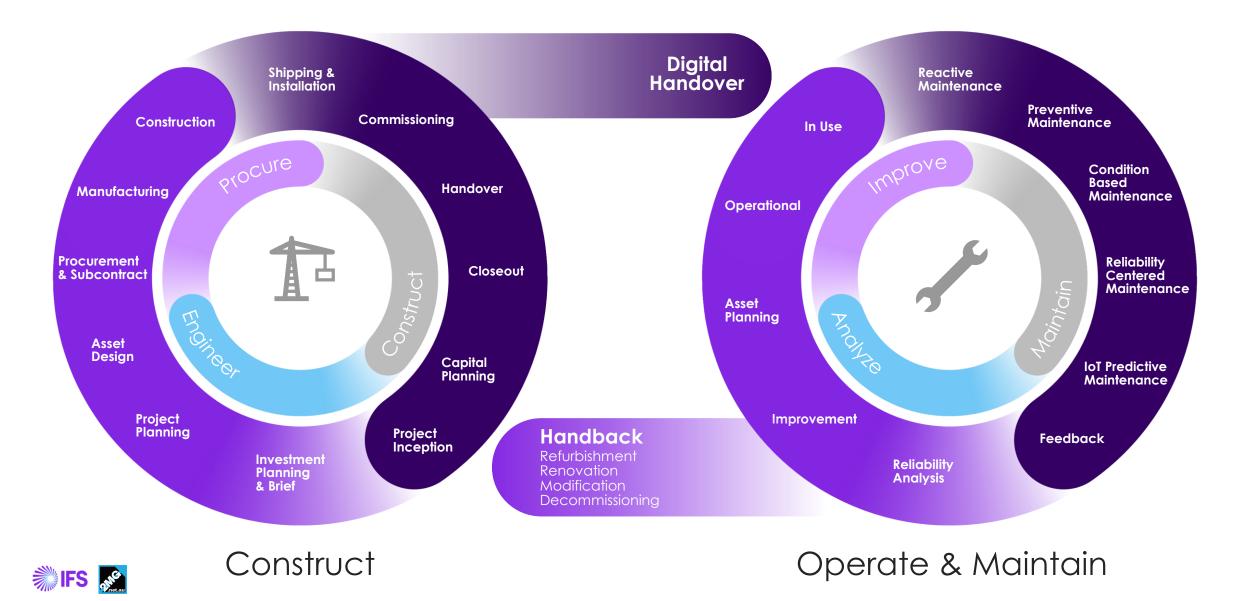
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Life of mine



IFS 💦

Integrated Project & Asset Lifecycle Management



Customer relationship management	Commerce	Finance	Human capital management	Projects	Procurement	Manufacturing	Supply chain management	Service management	Asset management	Aviation maintenance
Proactive customer engagement	Catalog management	Accounting rules	Employee & organization management	Engineering and design	Strategic planning	Sales & operations planning	Demand forecasting	Planning & forecasting	Asset planning & realization	Multi-horizon planning
Omni-channel contact center	Trade agreements	General ledger & parallel accounting	Recruitment	Sales & subcontract	Supplier relationship management	Material & resource planning	Supply chain planning	Call & case management	Asset operations & maintenance	Fleet management
Lead management	Storefront	Fixed assets	Qualifications development & training	Contract change management	Sourcing	Visual planning & scheduling	Warehouse management	Contracts & warranties	Asset performance management	Line/forward maintenance
Opportunity management	Storefront connectors	Accounts payable & receivable	Health and safety	Project planning & follow up	Operational procurement	Product estimate management	Inventory replenishment	Schedule optimization & dispatch	Maintenance planning	Airframe maintenance, repair & overhaul
Contact management		E-invoicing	Expense management	Resource management	Contract management	Configure & make to order	Sales order	Service order management	B2B contracting	Complex assembly maintenance, repair & overhaul
Campaign management		Project finance	Time & attendance	Project manufacturing	Supplier self- service	Discrete manufacturing	Shipment management	Mobile worker productivity	GIS integration	Component maintenance, repair & overhaul
Engagement studio		Cash flow	Employee & manager self service	Construction & installation		Batch process manufacturing	Rental management	Service logistics	Document management	Disconnected operations
Automation & self- service		Business planning	Payroll integration	Project financial control		Repetitive manufacturing		Contractor management		Technical content management
		Consolidation		Project reporting & invoice		Quality management				Aviation material support
		Financial reporting & analysis		Risk management		Sustainability management				Quality, reliability & compliance

IFS Entail

IFS solution Mining & Mining Services

BUSINESS PROCESSES DESIGN > INSTA COMMI		OPERATE/ MAINTAIN	FOLLOW-U OPTIM	DECOMMISSION		
APPLICATION SOLUTIONS	OPERATIONAL INT	FUICENCE				
PRODUCTION PLANNING	OPERATIONAL INT	ELLIGENCE	FLEET & ASSET MANAGEMENT			
CRM—sales & marketing Collaborative forecasting Sales & delivery order processing Multi-site planning Capacity management Transport management	DCS/SCADA/weighbridge Inte Production monitoring		Corrective Maintenance Work order route: Resource plannir Resource schedu	Isolation/PTW Time & attendance s Mobile & wireless ng Tools & facilities		
ASSET DESIGN & ENGINEERING Asset data management Asset information integration Equipment data sheets Commissioning packages, Procurement, material managem Mechanical completion, punch I	Project planning forecastin Project execution Project a Estimating Time & ex Progress WBS nent Budgeting/ Project in	ccounting xpenses	FINANCIALS General ledger Sales ledger Purchase ledger Cash flow Fixed assets	Budget management Cost control Consolidated accounts		
Human resources, T&A, payroll	Health & safety, risk and audits	Long term asset planning		Document management		
Supply chain optimization	ly chain optimization Quality management			Sub-contract management		



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API E...

IFS

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Solution Manager > Configuration > Lobby > Lobby Page Overview > IFS CENTRAL > SOLUTION - ENTERPRISE ASSET MANAGEMENT

SOLUTION - ENTERPRISE ASSET MANAGEMENT

DESIGN PLAN AND PREPARE SCHEDULING OPERATE AND MAINTAIN ANALYZE AND OPTIMIZE ANALYZE AND OPTIM	BUSINESS PROCESS				KEY PERFORMANCE IND					
SUPPLY CHAIN QUALITY MANAGEMENT FINANCIALS FINANCIALS BUDGET V F/C MILESTONES	DESIGN	DESIGN PLAN AND PREPARE					SOLUTION CONCERNENT OF CONCERNENT OF CONCERN			
SUPPLY CHAIN QUALITY MANAGEMENT FINANCIALS 1.1 5.% 89.%	SUPPORTING PROCESSE	S	_	DESIGN						
0.8 18 :1 4 :1	SUPPLY CHAIN		QUALITY MANAGEMENT		FINANCIALS		1.1 TARGET: 1	5% TARGET: 0%	89 % TARGET: 95% NCR TO PROJ.	

TARGET: 1

TARGET: 10:1

TARGET: 1-1

Demonstration

Implementation Risk

- Culture
- People
- Ownership
- Engagement





Benefit Summary

- End-to-end Project & Asset Lifecycle Support
 - Including; feasibility, funding, construction, operations, maintenance & end of life
- Asset & Supply Chain Management
 - Deep EAM functionality for all mining assets including full management of fleet vehicles
 - Linear asset capabilities incl. seamless GIS integration for maintaining transport infrastructure plus environmental aspects of mining
- Financial Management & Reporting
 - Comprehensive multi-company, multi-currency integrated budgeting, forecasting and regulator compliance accounting solution
- Human capital Management
 - HS&E, incident, risk management plus recruitment, training, rostering and Time &Attendance





Thank You

#MOMENTOFSERVICE

