



IFS APPLICATIONS™

MINING ENTERPRISES

MANAGE THE FUTURE—NOT THE PAST



OUR SOLUTION'S DNA

When we first set out to create IFS Applications over 25 years ago, our goal was to make the most usable business software on the market. And to help us achieve that ambition, we put simplicity at the forefront of everything we did.

We still do.

We decided that we would make only one product, which can be easily configured to match the specific requirements of a broad range of industries.

We still do.

We decided that we would build IFS Applications on standards so our customers would not be locked into any particular technology.

We still do.

We decided to design IFS Applications as a component-based structure so it can be easily extended and updated.

We still do.

We decided that each software component must be totally compatible with every other, yet capable of running independently.

We still do.

We decided to build a product that could handle change and long-term evolution.

We still do.

And, that we would make the most user-friendly business software on the market.

We still do that, too.

IFS HAS A STRATEGIC FOCUS ON THE MINING INDUSTRY

Like a mine, the main value of an ERP solution lies in the depth of riches underneath the surface. IFS Applications™ is the leading enterprise software vendor whose project-based ERP and enterprise asset management solution offers an unparalleled depth of functionality and is configured for agility, usability and low total cost of ownership.

Since our inception in 1983, IFS has played an increasingly important role in the continuous improvement of mining enterprises of all sizes. IFS offers flexible, component-based, project & asset-driven business solutions that manage the entire project lifecycle from exploration, construction, operation to retirement. IFS Applications provides a solid baseline of initial financial and tenement management during the exploration and feasibility phases.

The IFS suite of applications leverages its strength in project management and Enterprise Asset Management (EAM), ensuring unsurpassed real-time costs control for new and expansion projects during the demanding build, construct and commissioning processes.

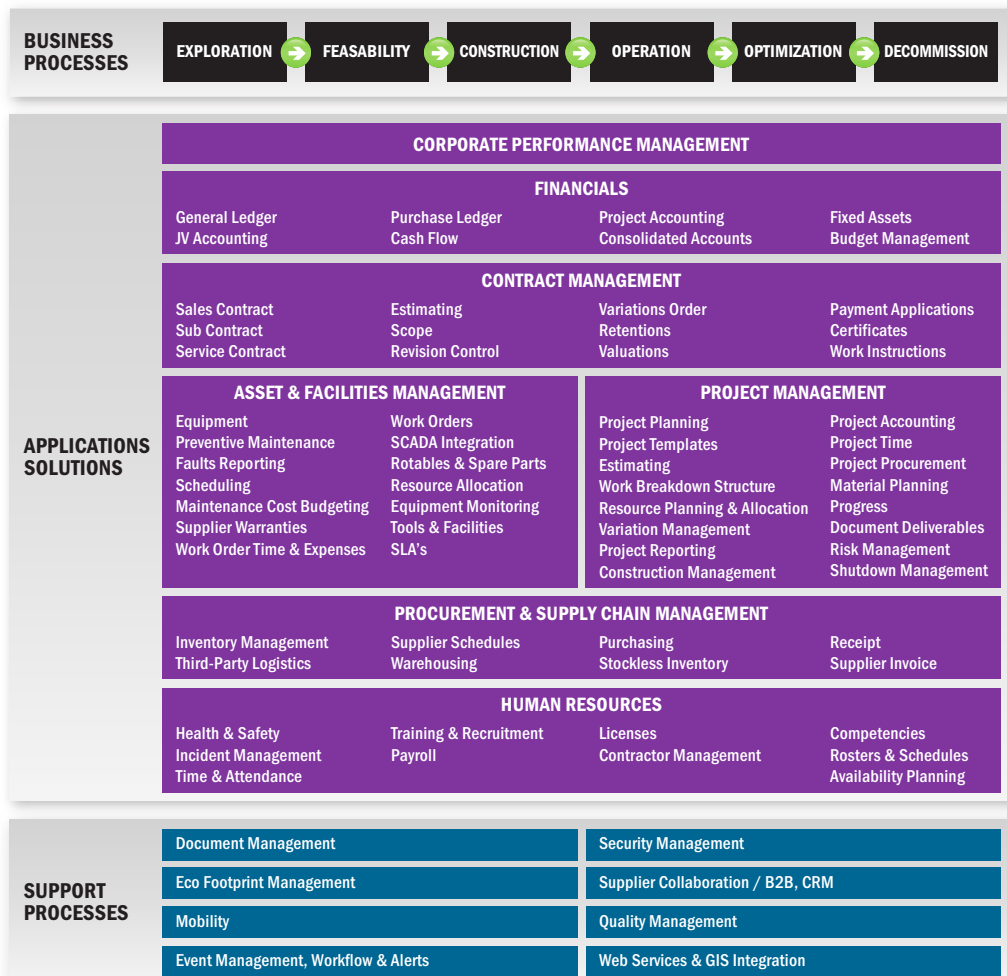
Our streamlined procurement, human resources and document management solutions provide a comprehensive solution to both head office and mine site staff, ensuring easy, accurate and cost-effective management of all your resources through the operation phase.

Unlike other major ERP vendors, IFS specializes in the mining sector with its project-based ERP and EAM solution and is optimized for remote access.

FROM EXPLORATION TO DELIVERY

Mining and resources projects are long-term propositions filled with uncertainty and risk from initial exploration through to shipping and delivery. Every day the business pages report new finds, resource field expansions and closures, mergers, acquisitions and joint ventures. Resource prices swing from record highs to new lows seemingly every month. Knowing when to expand or divest, pinpointing the best time to purchase new equipment or identifying the most cost-effective time for shipping are vital skills for mining and resource enterprises.

Regardless of whether you are in the initial stages of exploration or managing a single-site mining operation or a multi-site global enterprise, IFS Applications has the in-built functionality and best practices to help. Designed as a family of applications in components, it can be deployed as a complete asset & project-based ERP solution or as individual components that supplement and strengthen existing information systems. Moreover, IFS Applications is fast to implement, cost-effective and doesn't lock customers into monolithic projects or technologies.



THE BEGINNING OF A RELATIONSHIP

From the very first stage of a project, IFS becomes totally involved and is therefore ideally placed to create the best complete solution. IFS Applications enables mining companies to grow and develop.

Simple, transparent structures with easy-to-manage procedures for data collection, analysis, and practical implementation make IFS Applications a highly efficient tool for decision making. As a fully integrated part of the information flow, IFS Human Resources integrates with all the business processes and supports both the strategic and operational ends of work, including health & safety, self-services, time & attendance, project reporting and expense reporting.

PROMOTING SAFETY MANAGEMENT AND OCCUPATIONAL HEALTH AND WELFARE

Protecting your employees and business from injury and damage has never been more important. In today's business environment, responsible companies ensure that they not only comply with health, safety and environment regulations, but also provide a more productive working environment while supporting compliance with regulations.

Effective and efficient recording of health and safety policies, risk assessment, safety management and processes not only protects companies in the case of potential health and safety litigation, but also reduces the risk of future accidents. In case of an accident, incident reporting helps you record the facts of the incident, including statements, photographic and video evidence, and analyze why it happened. You can easily determine what should be done to prevent recurrence and track all preventive

and corrective actions. An effective health and safety policy is essential to daily operations and is a core component within IFS Applications.

STRATEGIC HUMAN RESOURCES DEVELOPMENT

IFS Applications becomes the management's strategic tool for analysis, follow-up, and running operations at all levels. Efficient and coordinated administration of recruitment improves planning within departments and assists in allocating the right people for the job. Growing talented individuals with training and development improves productivity while career planning with employees increases stability within the organization. Access to employee details is given to those who have authorization and can be shown in their totality or at a summary level.

HUMAN RESOURCES IN THE OPERATIONS EQUATION

Management of ongoing operations involves tracking employee time and expenses—including travel, vacations and sick leave—for anything from a single job to an entire project. Support for delegated responsibilities and authorization control functions is included and links them through the ERP solution, including procurement, time reporting, asset reporting and projects.

WORKFORCE MANAGEMENT

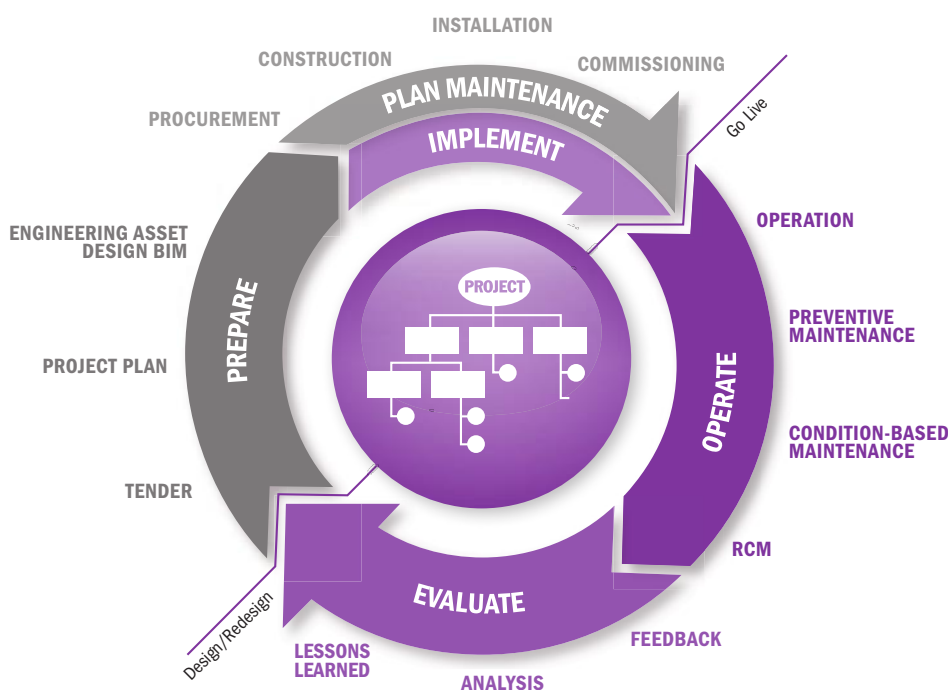
With labor being one of the biggest cost drivers for mining companies, utilizing the workforce more efficiently is a major opportunity to improve bottom-line results. Thanks to the integration with HR, IFS Applications enables you to plan and deploy the right people with the right equipment at the right time, optimizing the way you utilize your resources.

COMPLETE ASSET LIFECYCLE SUPPORT

Mining companies face a number of different challenges when it comes to optimizing the asset lifecycle. Perhaps one of the biggest is the need to balance plant lifecycle cost with the total productivity. Finding that perfect balance is what successful asset management is all about. Imagine being able to reduce the lifecycle cost of managing assets and asset information in a totally integrated and open asset lifecycle management solution. That is what IFS Applications is all about. From design to engineering, procurement and maintenance management, IFS Applications has such a wide scope of functionality that it can support every single stage of the asset lifecycle.

SITE AND ASSET MANAGEMENT

As the asset system of record, IFS Applications eases the transition to operations, with asset design and equipment data available from the start. The maintenance function manages design changes throughout the asset's productive life. Site work typically carried out in remote locations has traditionally been managed using paper-based systems or non-integrated tools, but the need to have fast and accurate feedback from the construction/mine site is crucial to keep a project successfully on track. IFS Applications has a number of features to help control the site execution work, including web or mobile options for time and status recording, sub-contract work instructions and work order management.





CONSTANT STRIVING TO REDUCE DOWNTIME

Long-term asset management and maintenance is critical for mining companies. An owner-operator or contractor undertaking asset upgrades or lifecycle extensions is met with strict quality requirements. Unwarranted downtime directly impacts the bottom line and must be avoided. With IFS Applications, asset owners and service contractors have a best-of-breed industry-based solution for more effective processes and increased service revenues.

PREVENTIVE MAINTENANCE STRATEGIES

Based on their position in the mine site, different types of equipment require different preventive maintenance tasks. IFS Applications enables you to combine calendar-based maintenance with event-based, condition-based and predictive maintenance strategies. Mobile plant maintenance presents a specific set of challenges to mining companies, such as fuel recording, time recording, and metering, all of which are met by IFS Applications. The result is not just higher productivity, but a more streamlined and efficient maintenance organization as well.

INTEGRATION WITH PROCESS AUTOMATION SYSTEMS

Maintenance and operations collaborative efforts also gain through process-automation integration, including distributed control (DCS), supervisory control (SCADA) and geographic information systems (GIS). The need to constantly enter and leave different applications is eliminated. IFS was the first enterprise vendor to integrate with process automation systems using OPC as a standard platform. Today, OPC is the dominant means for these types of integrations.

SUPPLY CHAIN OPTIMIZATION

More and more companies are realizing the potential in optimizing their supply chain of parts and services. By consolidating sites, for instance, companies can benefit from multi-site agreements and common purchasing processes throughout the entire organization.

By reducing capital tied up in inventory and securing the availability of spare parts, optimizing your supply chain has a huge cost-cutting potential.



OUR GUIDING PRINCIPLE FOR SUPPORT IS LOCAL PRESENCE, GLOBAL REACH. AS A RESULT, OUR CUSTOMERS CAN EXPECT:

- local support centers delivering service in local languages
- total information transparency between support centers
- flexible packaged support and multiple support channels
- close cooperation with R&D and industry expertise

PROJECTS DRIVE EVERYTHING

For mining companies, projects are the cornerstone of developing their business. Successfully managing projects of various sizes and complexity is often the key to success. With a project-driven solution—where the project itself is the engine—high-level visibility and transparency are ensured throughout your enterprise.

With IFS Applications, project-based parameters control and determine schedules for all functions, including asset and facilities management, contract management, document management, human resources, and procurement, coordinated by an efficient information flow among the different disciplines involved. Everyone benefits from one common plan, ensuring projects deliver on time and budget. Furthermore, you have a solution that supports multiple languages, multiple currency requirements and local fiscal regulations, making it ideal for companies that operate on a global scale.

REAL-TIME FINANCIAL CONTROL

IFS offers an integrated and powerful finance system for secure traceability and control through the value chain. IFS Applications has fully integrated project budgeting and forecasting capabilities, which allow periodic reviews to be conducted with greater efficiency so the estimate at completion is more predictable. It is also linked to the work breakdown structure and project plan, and provides support for progress, cost and schedule management. This helps companies ensure real-time visibility of incurred, committed and actual costs. Our financial solution includes accounts payable—with automated supplier

invoice workflow from procurement to payment—general ledger, budget management, accounts receivable, joint venture accounting, fixed assets, cash flow and consolidated accounts.

MANAGE CONTRACTS

Increasingly, projects are delivered by organizations working together to deliver the total solution. Joint venture, sub-contracting and outsourcing activity is increasing, which is putting a strain on many companies trying to keep control of their projects. IFS Applications offers powerful functionality to handle complex contracts where client variations and application for payments are often the norm. This also covers complex sub-contracting activity. Web collaboration portals are also available.

PROJECT PLANNING NEEDS TO DRIVE WORKFLOW

To prevent it from becoming isolated from the main business system, the project plan is an integral part of the IFS solution. It drives work-to lists to engineering, procurement, manufacturing, installation and construction so they are all working to the master project plan. Project reporting also allows project cost transactions to be processed against a project, including time, expenses, materials and other types of miscellaneous costs. Full two-way integration is also available with leading tools such as Primavera and Microsoft® Project®.

ACCURATE ESTIMATING

Estimating accuracy is critical as project margins are getting squeezed. Today, most estimating tools are not integrated with the main project cost control system and are not aligned to the work breakdown

structure, making it extremely difficult to measure the accuracy of the estimate. With IFS Applications the project estimating process is integral, ensuring that accuracy measurement is automatic.

VARIATION CONTROL

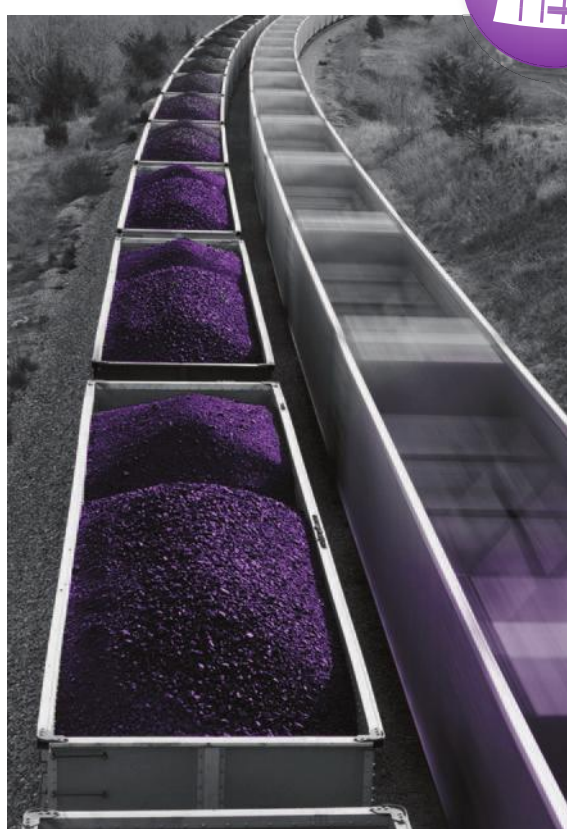
Managing project change has always been one of the biggest challenges. IFS Applications has many integrated features to manage project change, including change requests, document management, project baselining, project budgeting and forecasting revisions, contract change management, and audit trails and approval workflow. By being able to clearly identify scope changes and ensure that they are managed with a proper integrated workflow, you can make a huge difference to a project's profitability.

RISK MANAGEMENT

With IFS Applications you have the security of risk management that extends beyond the bidding phase and provides you with the capability to respond to any situation. As competitive pressures continue to grow, it is reassuring to know that IFS Applications has a fully integrated project risk management solution, which allows the risk consequence to be fully evaluated and corrective actions to be swiftly implemented.

REAL-TIME PROJECT FOLLOW-UP

In IFS Applications, costs and revenue are budgeted, tracked and compared—not only in the general ledger but also project by project. This ensures real-time follow-up and tracking of incurred and actual costs, with reliable forecasting, both detail and overall, based on EV principles, including ETC,



EAC and S-curve. Real-time visibility allows tracking of project milestones and identification of consequences going forward, while enabling cut-offs, reporting and forecasting—independent of traditional transaction periods. Corporate performance management tools like IFS Business Analytics and IFS Business Intelligence ensure operational and strategic follow-up.

EVERYTHING IS UNDER CONTROL

IFS' experience in the mining industry and its policy of development in collaboration with its customers is reflected in the comprehensive range of capabilities provided by IFS Applications. Every aspect of the solution has been carefully considered and designed to provide the user with total control—in any situation.

INTEGRATED DOCUMENT MANAGEMENT

Key project documents, either electronic or paper, remain central to getting things done. Considerable engineering effort is expended generating documents and project-progress reports. IFS Applications includes a mature and advanced document management system, with support for revisions, approvals, distribution and transmittals, as well as SRDL/SDML documentation packages. Documents can be accessed, edited and distributed in remote locations ensuring total visibility in real time. Contractors, suppliers and service companies know they have efficient document flows, a crucial element for improved productivity.

OUT OF THE OFFICE, BUT IN THE KNOW

Being able to capture data and access information wherever you are, even at a remote mine site, is key to any mining company to manage their operations in real time. Mobility solutions integrated with GPS functionality—including IFS Touch Apps—keep business systems in sync with performance in the field. Working directly in the enterprise system, on-site managers can document work orders, issue

fault reports, confirm delivery routes, collect warehouse data and complete on-site transactions, all based on real-time information. In addition, IFS offers leading mobile workforce scheduling and optimization software. A highly scalable SOA optimization framework delivers advanced mobile workforce scheduling for both on-premises and cloud deployment. Key to enabling high-quality field service is the ability to meet commitments, reduce costs and achieve operational control of the field-service workforce. IFS Enterprise Explorer provides richly featured and consistently reliable access to IFS Applications over low bandwidth connections from remote sites when connectivity is often challenging from any device including laptops, tablets, ultra-books, and rugged hand-held devices.



USER-FRIENDLY SOFTWARE

Usability is key to the business from an end-user perspective to ensure full integration of processes and deliver full capability of your corporate systems to the business. In a society where the end users set the rules, the system must be easy, fast and fun to learn and use. That is why IFS has invested in an easy, modern user interface to ensure that all levels of the organization can navigate the system in a simple fashion.

MANAGE YOUR ENVIRONMENTAL IMPACT

Running an environmentally responsible business operation is no longer an option for mining companies. At least not if they want to survive and stay one step ahead of the competition. Current and pending international legislation, combined with sound business sense, makes environmental accounting a business imperative.

IFS Eco-footprint Management helps you move beyond well-meaning intuitive actions (“This feels right”) to arrive at measurable environmental evaluation based on meaningful data. It enables you to calculate and analyze the environmental impact of your operations, control costs, and prepare for future eco-legislation because it is tightly integrated with your ERP solution, allowing you instantaneous access to all the data you require. You simply use existing components within IFS Applications that capture financial cost to provide



environmental impact information. With seamless access to data already in your business applications, it requires no great effort to measure and document your eco-footprint. Thus, operating in an eco-friendly manner is not just good for the environment—it can also improve your bottom line.

PART OF THE BIGGER PICTURE

With the right solutions, you can underpin every stage of the mining lifecycle from exploration to delivery. From managing resources—both human and physical—to managing the project and lifecycle of the asset through the complex stage of engineering, procurement and construction to managing suppliers and contractors, you know that your company can grow and move through each stage of the mining lifecycle confidently with IFS Applications.

You can be confident knowing that IFS Applications has been certified by global analyst group Technology Evaluation Centre as Dominant for Mining Enterprises, the highest ranking based on breadth and functionality. Furthermore, IFS has been identified as the number one vendor in market share in EAM and field service management software for the oil and gas industry—an industry facing complexities and challenges often experienced by mining companies—by ARC Advisory Group, the leading information technology research and advisory firm for industry and infrastructure.

ABOUT IFS AND IFS APPLICATIONS

IFS is a public company (OMX STO: IFS) founded in 1983 that develops, supplies, and implements IFS Applications™, a component-based extended ERP suite built on SOA technology. IFS focuses on agile businesses where any of four core processes are strategic: service & asset management, manufacturing, supply chain and projects. The company has more than 2,000 customers and is represented in some 60 countries with 2,800 employees in total.

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