

IFS Energy & Resources – Explorer



Industry-leading visualization and diagnostic solution for resource professionals.

Explorer enables visualization of real time production and operational data all integrated into a single collaborative analysis and diagnostic environment.

Improved efficiencies

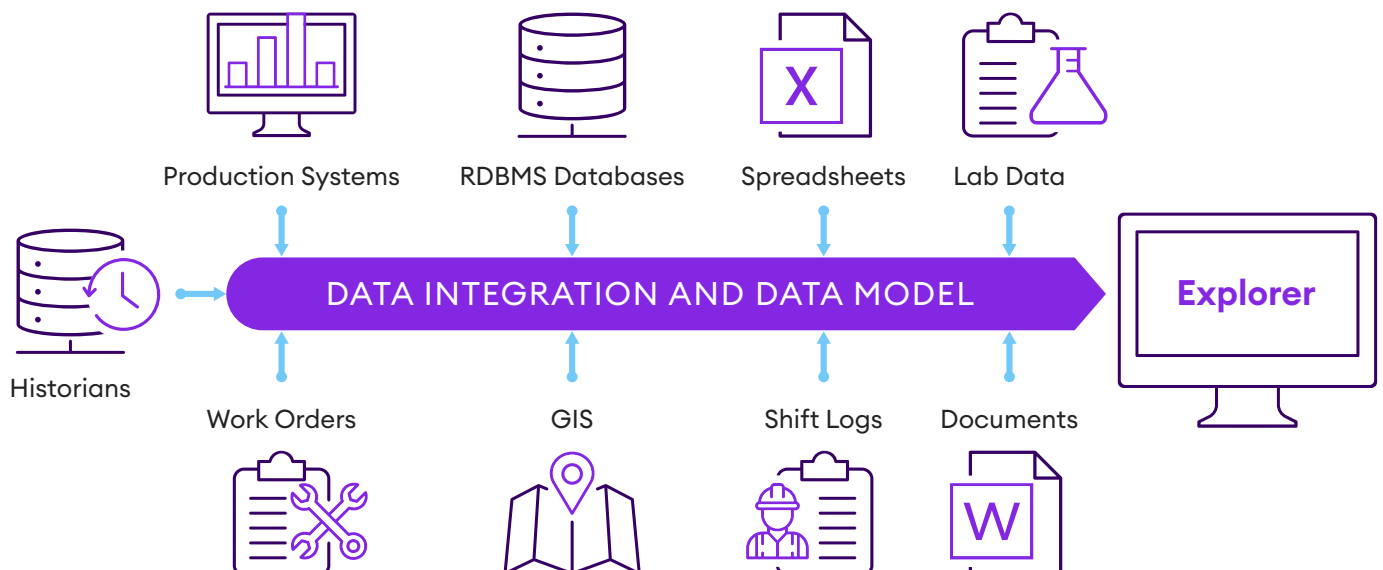
- Single source of truth for data across the organization
- Disparate data sources all in one user interface
- Detailed analytics allows easier identification of process problems

Greater value

- Enables transparency of data across an organization
- Preconfigured dashboards enable low implementation and configuration requirements
- Turn your mountains of data into useable information

In order to support informed decision-making, production and operational data must be gathered from various data sources to ensure that all of the required information is available.

Explorer provides a cohesive view of defined business assets. Objects such as charts, tables, data trends, KPIs and reports give visual context and enhance information. Explorer presents relevant production and operational data, in the right context and clearly in a structured, graphical intuitive web interface.



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Benefits



Provides crucial business KPIs and gives meaning to your data through easy-to-consume visualizations as well as drill-down and diagnostic capabilities



Centralizes control of accessibility, user permissions and data security



Structures data to allow for easy search, cross reference and link



Locates all information relating to a piece of equipment decoupled from the source systems



Analyzes data to produce diagnostics, KPI's, reliability indicators and predictive trending

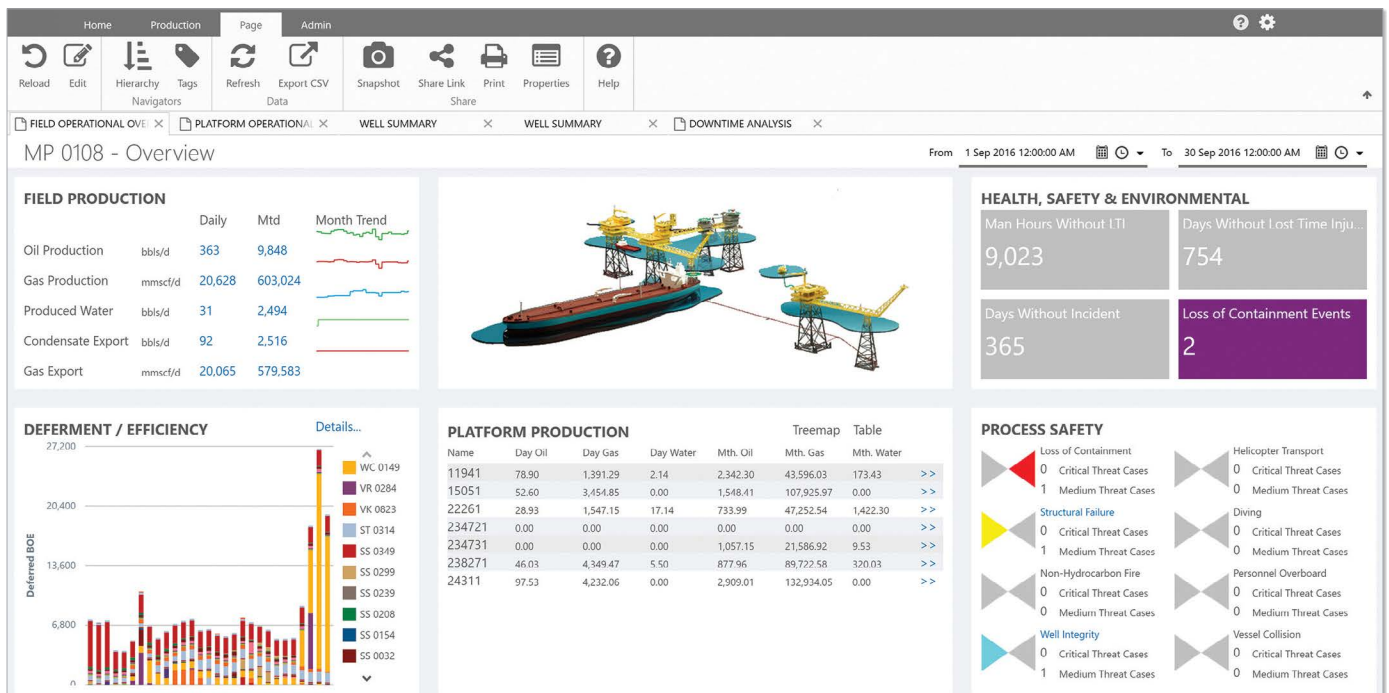
Real time visualization

The following provides a small sample of the capabilities and graphical components available within Explorer.

Real time displays and trends

Data is sourced (not copied) from various data sources via IFS Energy & Resources – Operational Intelligence Server, and presented within Explorer real time displays and trends. Regular automatic page refreshes ensure that the latest data is always available.

- Historical data trends can be viewed, and overlaid with current data
- Commentary can be added to a trend line helping to give context and meaning to the data
- Statistics and high-level information give an overview on asset performance
- Detailed information is easily accessible from overview pages
- Tag data can be trended for further analysis
- Embedded statistics and trends are updated dynamically with the latest information

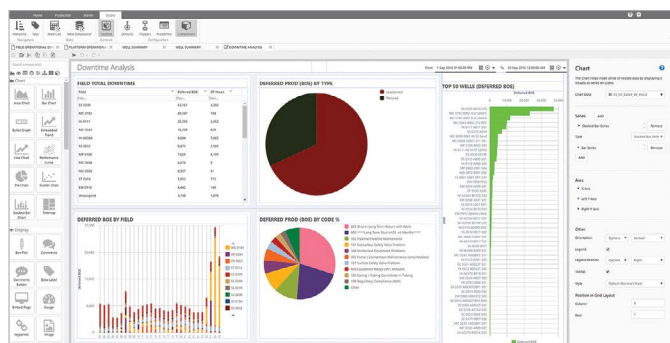


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Trends

Explorer provides powerful trending capabilities.

- Easily zoom or scroll through time
- Graphical presentation of changes to tag values, over time
- Displays multiple entities simultaneously for comparisons
- Overlays real time data with historical values
- Supports data from multiple sources on the same axis
- Trends can be embedded on a page
- Tags or calculations can be easily added to or removed from the trend
- Adjustable time base, sample interval and sample method



End-user configurability

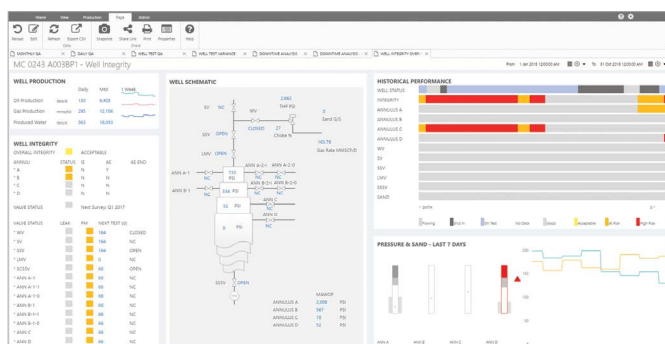
With Operational Intelligence Server supplying all data requirements in its Data Dictionary model, Explorer is able to access and present data in a meaningful and logical manner, with individual business relevance.

- Real-time displays and trends are easily configured using drag-and-drop functionality
- Pages and trends can be configured, copied and adapted

Diagnostic displays

This example of a template page shows an overview of any well configured to use the page.

- Any well can be selected from a list, and viewed on this page, with searching and filtering options
- Displays of daily production of oil, gas and water for this well
- Charts show historical performance of the well
- Dynamic shapes show data in an easy to understand way
- Time range selection allows users to view performance over time

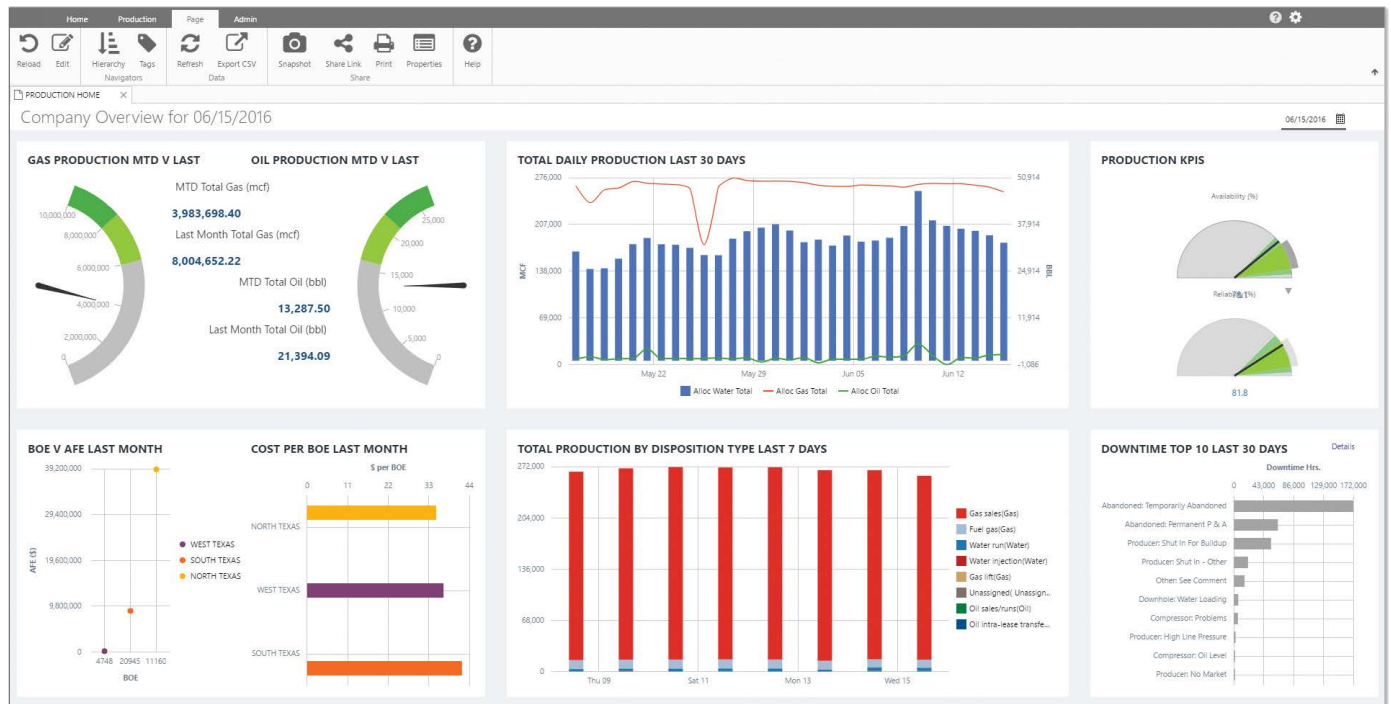


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Charting

Full featured charts, plots and performance curves provide rich interaction with the data.

- Combine or compare real-time data from multiple Server data sources.
- Continuous, calendar or production period time frames.
- Display data in a variety of chart styles, including line, bar, stacked bar, dot, area, pie and others.
- Control over chart layout, style and settings.



The foundation of Operational Intelligence

Server, Explorer and Sentinel form the foundation of Operational Intelligence.

IFS' Operational Intelligence solutions integrate the information from all your data sources and leverage exception based surveillance processes, which monitor your assets and trigger alerts and tasks when predefined events occur. Together, these tools and processes empower production teams to manage more wells and minimize, or even prevent, production deferrals. The result? Better bottom-line performance for your organization.

Find out more: www.ifs.com/explorer

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. 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.

Learn more about how our enterprise software solutions can help your business today at ifs.com.

