

# IFS Energy and Resources – Operational Intelligence

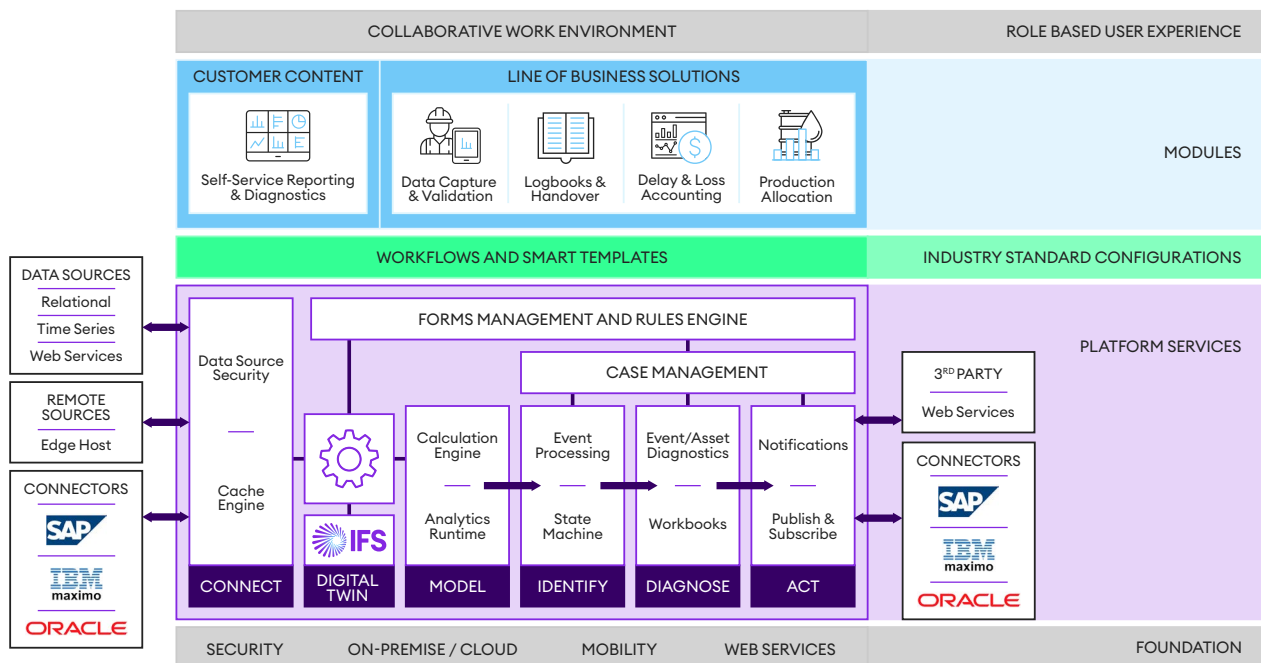


Tools to make your assets more profitable.

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 assets and minimize, or even prevent, production deferrals. The result? Better bottom-line performance for your organization.

## Digital asset

It's critical to be able to view data from disparate sources while managing time-series data models merged with relational data. IFS Operational Intelligence seamlessly integrates multiple data sources, SCADA, and thirdparty applications. It creates a data dictionary that references both structured and unstructured data specific to all the assets, including high volumes of relational data (Oracle and SQL Server) and timeseries data.



## Performance calculations

The Calculation Engine provides advanced functionality to calculate and evaluate existing data derived from any of the connected data sources. This allows for complex, time-based analysis of production data with ERP, Financial, Maintenance, or any other data source, making it possible to perform in-depth analysis of results such as KPIs. Statistical processing (averages, standard deviation, integral, and so on) of current, previous, and variance values for source data (such as tag values) can be used for performance evaluation and monitoring.

## Business insights and operational diagnostics

IFS Operational Intelligence provides a cohesive view of your assets in multiple formats such as reports, charts, tables, data trends, and KPIs. These give visual context and enhance information, presenting relevant production and operational data logically and clearly in a structured, graphical web interface.

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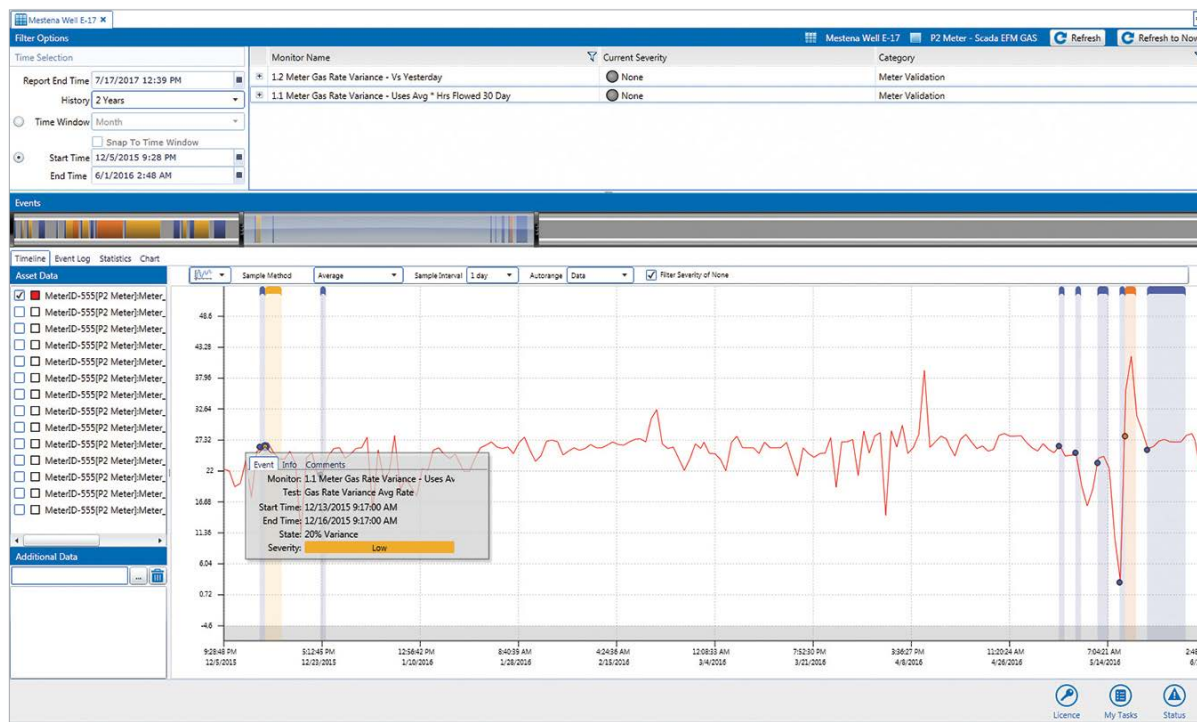
## Surveillance and notifications

Operational Intelligence provides constant watch over your operations and triggers alarms and alerts when defined events occur, allowing less staff to effectively manage larger portfolios and more assets. It provides automated exception management through user-defined rules and conditions that monitor data and initiate alerts.

## Workflows and task management

IFS' templated approach delivers preconfigured engineering workflows that feature:

- Coordinated and prioritized task management
- A common environment for multi-discipline collaboration
- Configurable, asset-specific workflows and tasks that leverage industry standards and best practices



## Trend Report –

Quickly analyze key data streams to assist with production issues through context-driven asset hierarchies.

## The foundation of Operational Intelligence

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

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Find out more: [www.ifs.com/operational-intelligence](http://www.ifs.com/operational-intelligence)

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.

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