

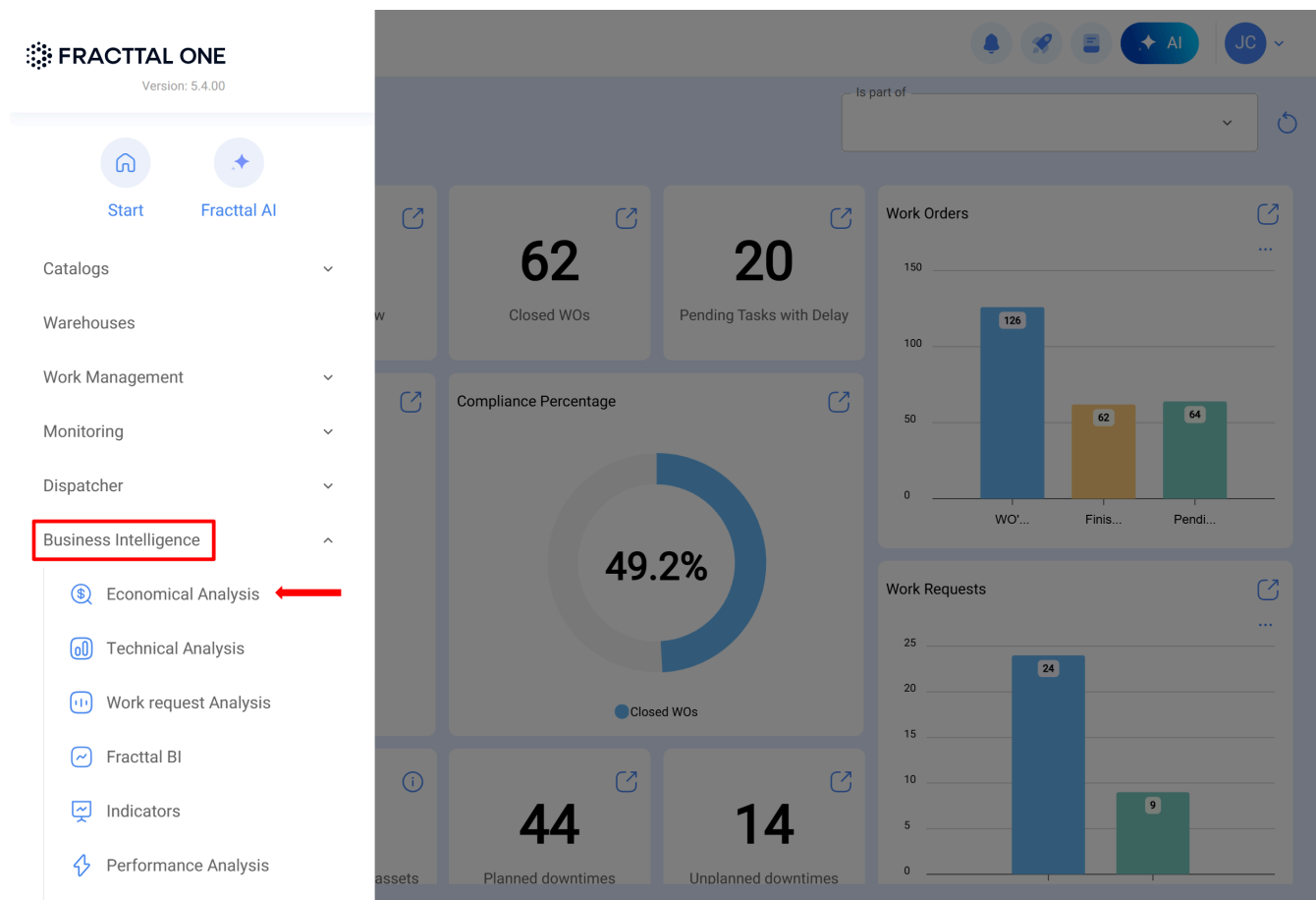
Introduction to the Business Intelligence Module

help.fracttal.com/hc/en-us/articles/39672948881421-Introduction-to-the-Business-Intelligence-Module

The Fracttal Business Intelligence module was developed to provide a comprehensive view of maintenance data, enabling more precise operational and management decisions.

This module allows analyzing and visualizing key maintenance data to optimize resources, improve efficiency, and track KPIs. With intuitive dashboards, detailed reports, and advanced analytics, Fracttal BI facilitates strategic maintenance management.

Economic Analysis



Economic Analysis enables detailed monitoring and control of costs associated with the maintenance process. With resources such as visualization of projected and actual costs, including spare parts, supplies, and third-party services, users can gain a clear view of the financial impact of maintenance activities. The main features include:

- **Resources to Execute:** Cost projection with spare parts and third-party services for maintenance.
- **Executed Resources:** Actual consumption per Work Order (WO), with direct links to the WO, asset, and resource.
- **Cost Pivot Table:** Customizable charts and tables for detailed cost analysis.

Business Intelligence
Economical Analysis

Search...



☒ Actual Resource Usage	☐ Cost Pivot Table	☐ Planned Resource Usage	Actual Schedule Date 2025-08-18 / 2025-09-18			
☐	WO Creation date	Actual Schedule Date	Resource Creation Date...	WO Id ↓	Percentage of Comp...	Task type
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Filters and Grouping

Filters by date, resource type, and other criteria to facilitate analysis.

Actual Resource Usage Cost Pivot Table Planned Resource Usage

Actual Schedule Date
2025-08-18 / 2025-09-18

Today
Yesterday
Last Week
Last Month
Last year
Tomorrow
Next Week
Next Month
Next Year
Date range

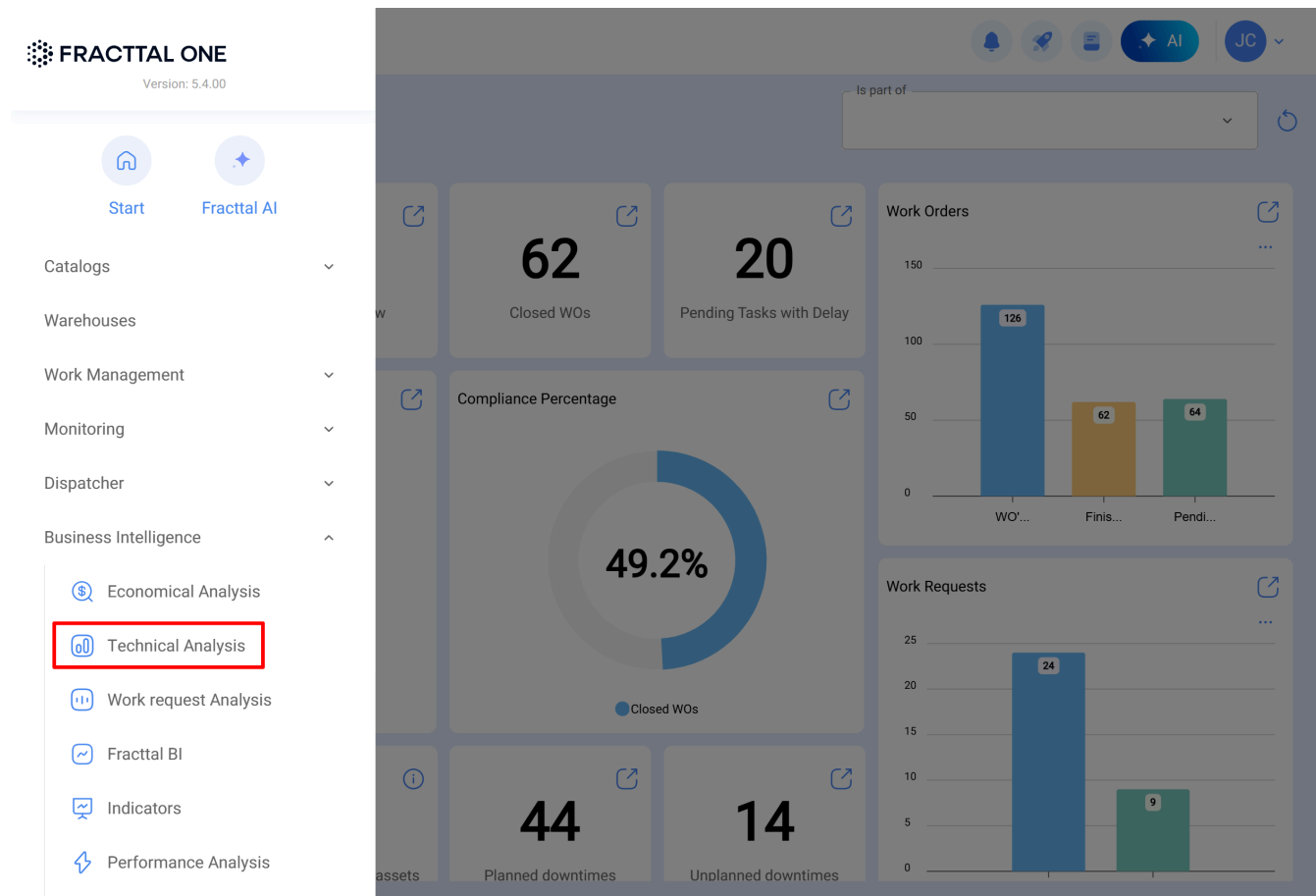
	WO Creation date	Actual Schedule Date	Resource Creation Date...	WO Id ↓	Percentage	
☐	2024-12-17 16:15	2025-09-02 16:22	2024-12-18 07:25	OT-2155FRA		
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- Dates: scheduled, start, and close; From–To range.
- Temporal grouping: day/week/month.
- Export to Excel from the interface.

For more details, you can consult the following related articles: [Economic Analysis](#), [Resources to Execute](#), [Executed Resources](#), [Cost Pivot Table](#)

Technical Analysis



The **Task Analysis** presents charts to evaluate how scheduled and completed tasks are fulfilled, compare planned tasks with unplanned ones, classify types, and review rescheduling and pauses within work orders. Additionally, the work order analysis offers visualizations that, through detailed analysis, help understand the evolution in the creation and closure of orders, cancellation reasons, and service quality, thus facilitating informed medium- and long-term decision-making.

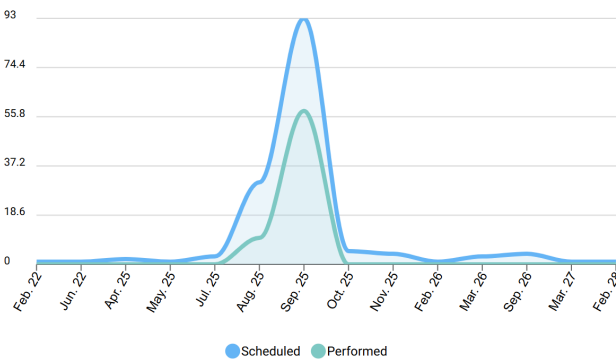
Analysis Tasks

WO Analysis

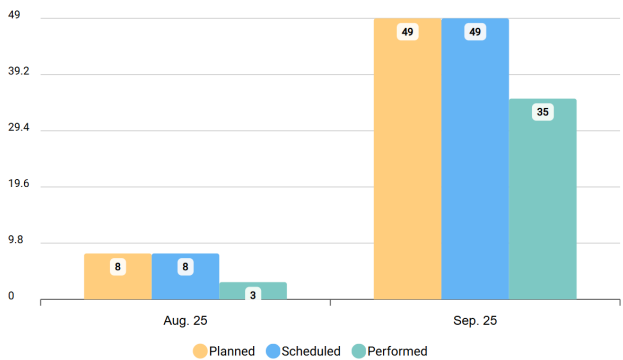
Creation Date:

2025-08-18 / 2025-09-18

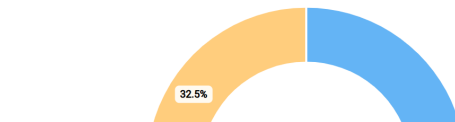
Scheduled Tasks in WO's vs Finished Tasks in WO's



Compliance planned tasks



Scheduled vs. Unplanned Tasks



Types of tasks

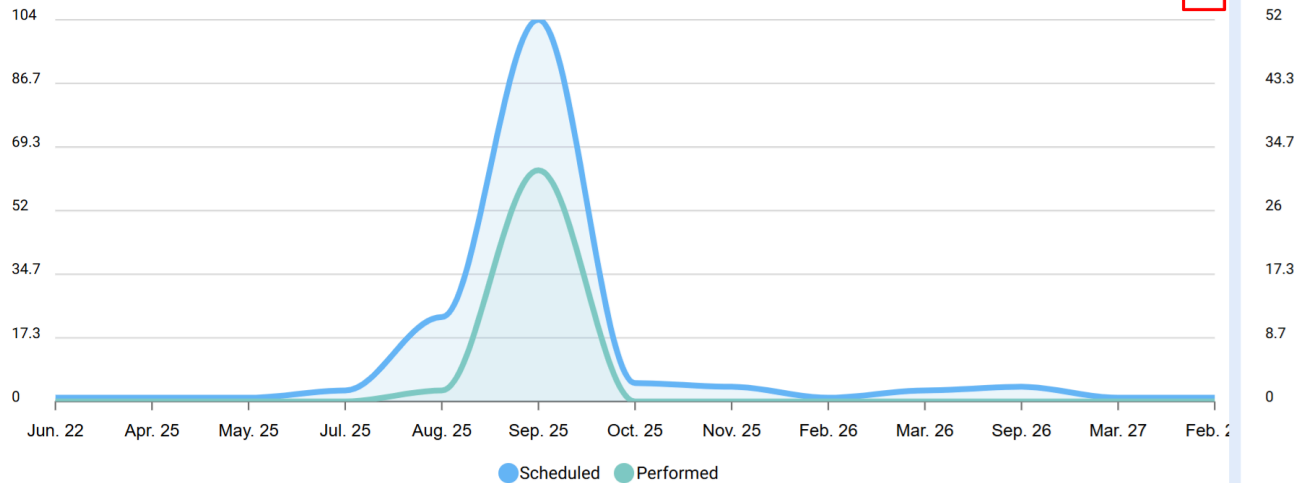


- **Scheduled Tasks in WO vs Completed Tasks:** Shows, month by month, the tasks scheduled in a work order (planned) and the completed tasks (finished). The difference indicates pending tasks.
- **Compliance with Planned Tasks:** Presents the total planned tasks (planned), sent to WO (scheduled), and completed (finished) in the same month.
- **Planned vs. Unplanned:** Percentage to better understand reactive work.
- **Types and Priorities of Tasks:** Pareto diagram classifying and highlighting the types of tasks with the greatest impact.
- **Rescheduling and Pauses:** Bar chart with common reasons for task non-completion. Reasons are configured in the *auxiliary catalogs* module. It is recommended to avoid dispersed terms.
- **Failures, Causes, and Severity:** Analysis of the most frequent maintenance failures, configured from the auxiliary catalog.

Analysis Tasks

WO Analysis

Scheduled Tasks in WO's vs Finished Tasks in WO's



Scheduled vs. Unplanned Tasks

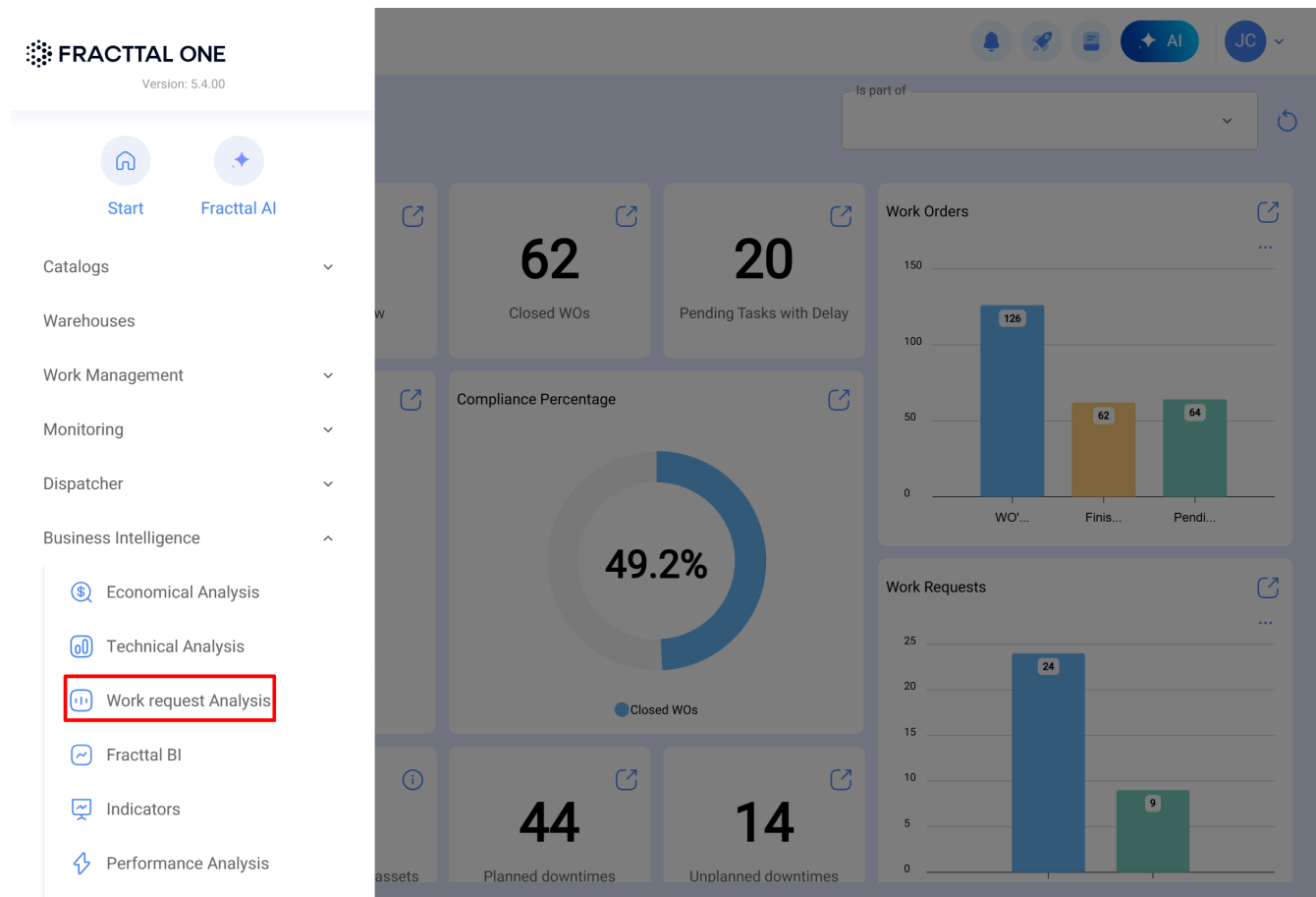
Expand



1. This icon offers more detailed context and educational support for reading the chart.
2. Expand the chart view.
3. Option to export the image and download the file.

For more details, you can consult the following related articles: [Failure Analysis](#), [Technical Analysis Module](#), [Filtering Options in Technical Analysis](#).

Request Analysis



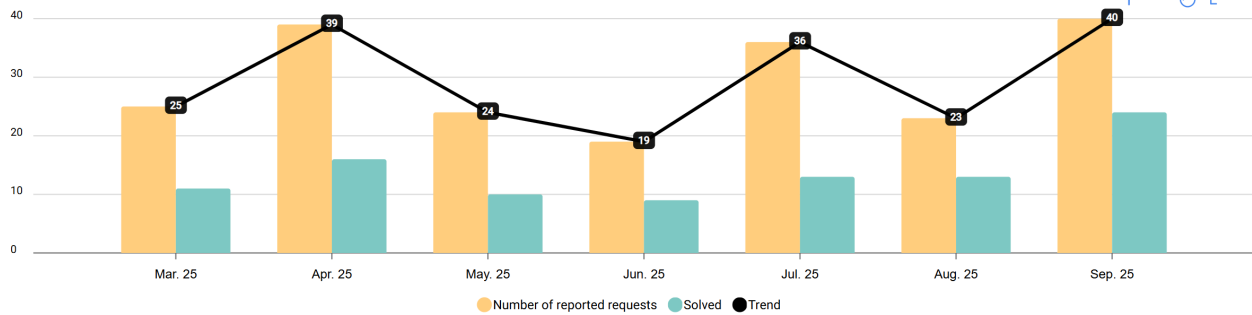
Request Analysis allows monitoring requests created, in progress, or completed, helping to understand the maintenance team's performance in terms of response time and service quality. The main features include:

- **Dashboard:** requests created/in progress/completed, average times (opening/attention/closure), SLA, and trends with filters by status, origin, priority, site/equipment.
- **Rating:** service evaluation per request/WO, distribution by technician/equipment, and detection of outliers.
- **Reported Assets:** ranking of assets with highest recurrence, criticality, and impact (input for plan, spare parts, and preventive adjustments).

Dashboard Rating Assets in Work Request

Date: 2025-03-18 / 2025-09-18

Created vs Finished Work Request



206

Number Work request Created

96

Number Work request Solved

110

Number Work request Pendings

Work request by Status

Average Time For First Response

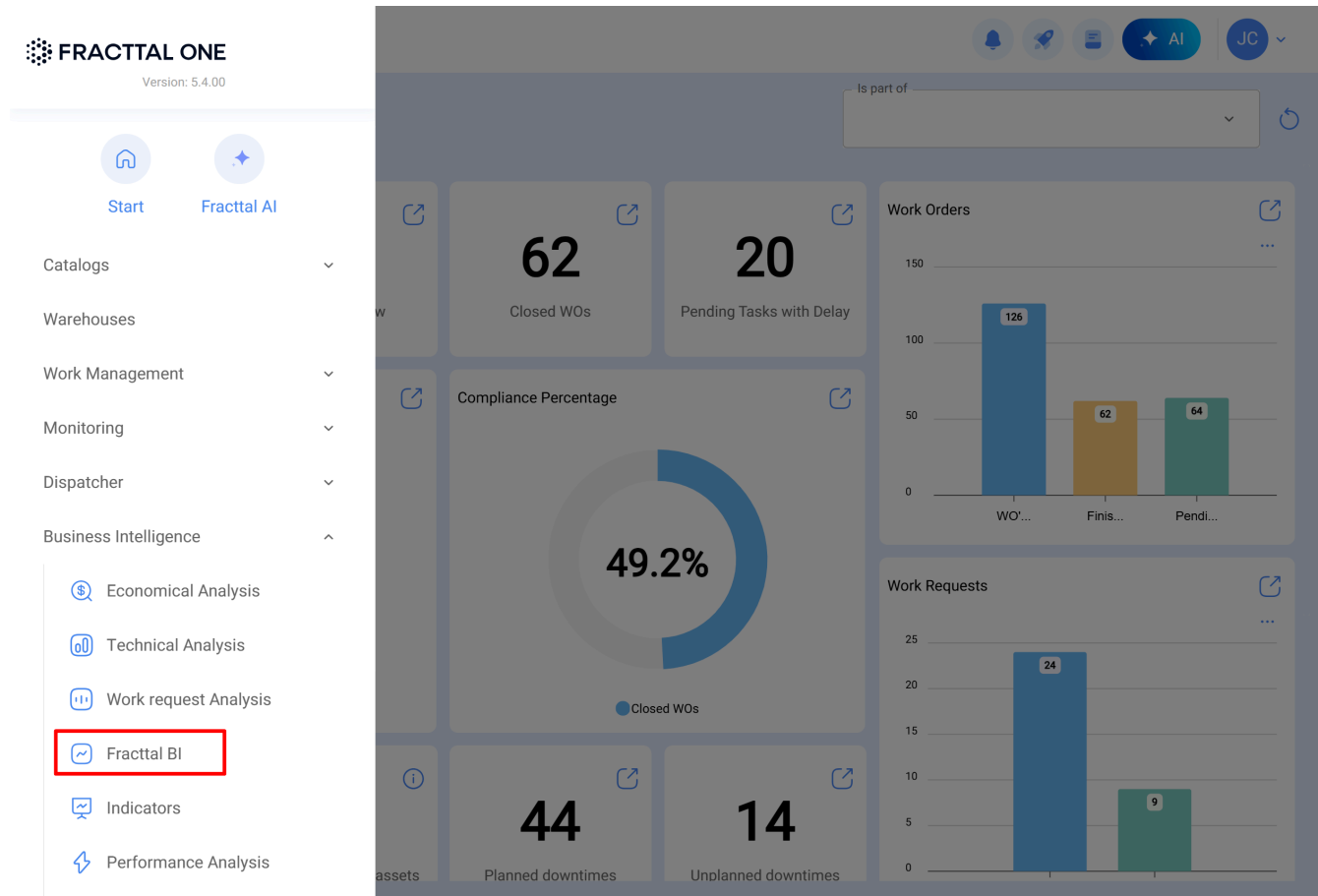
2 Day(s)

12 Hours

8 m

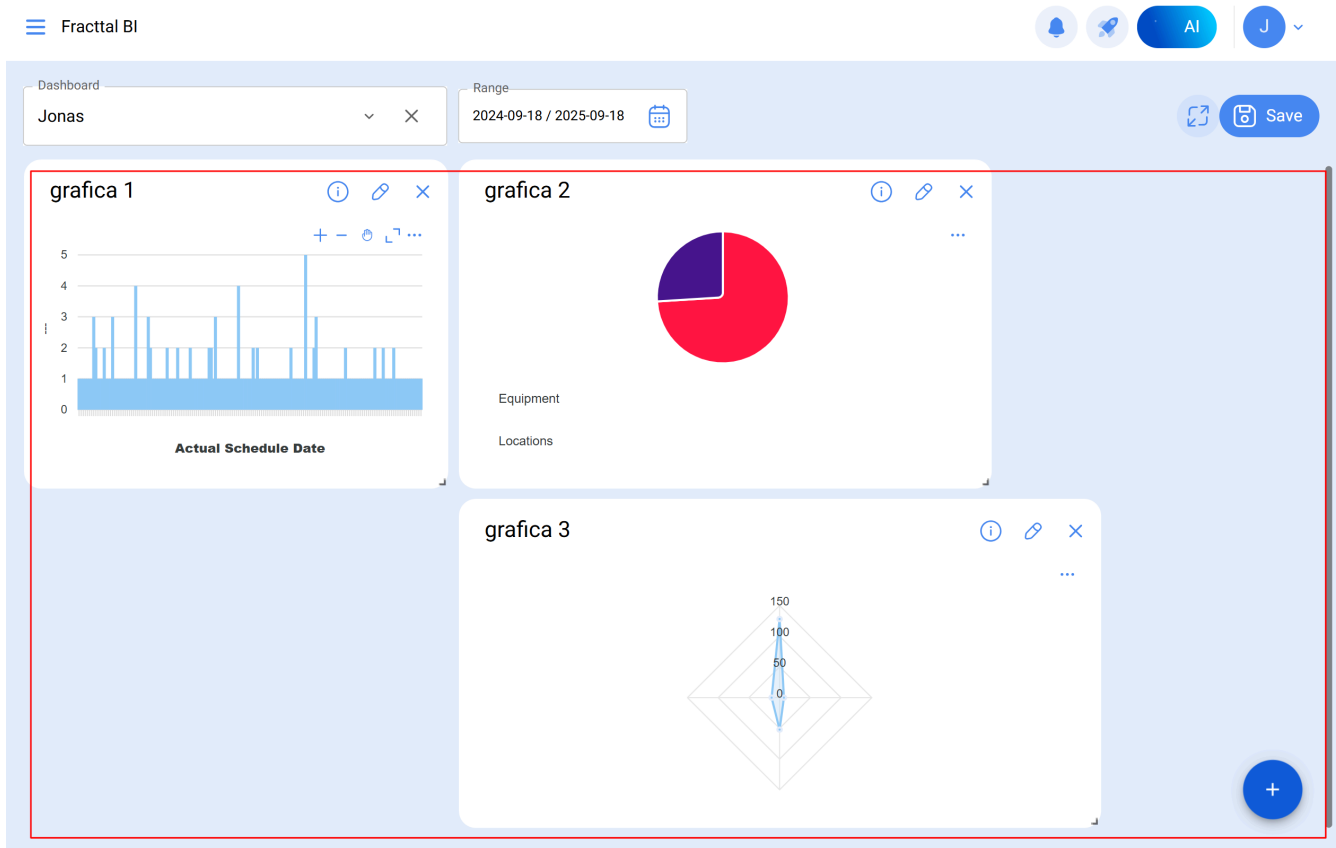
For more details, you can consult the following related articles: [Request Analysis Module](#), [Dashboard in Request Analysis](#), [Filter Bar in Request Analysis](#), [How to Access the Request Analysis Module?](#)

Fractal BI



Fractal BI offers the ability to create custom dashboards, allowing users to build visualizations tailored to the specific needs of each operation. Additionally, it is possible to integrate data from other external sources via API, such as Power BI, for more comprehensive analysis.

- Creation of **custom dashboards** with **widgets** and filters.
- Building views from system data and combining with other sources via **API** (for example, **Power BI**).

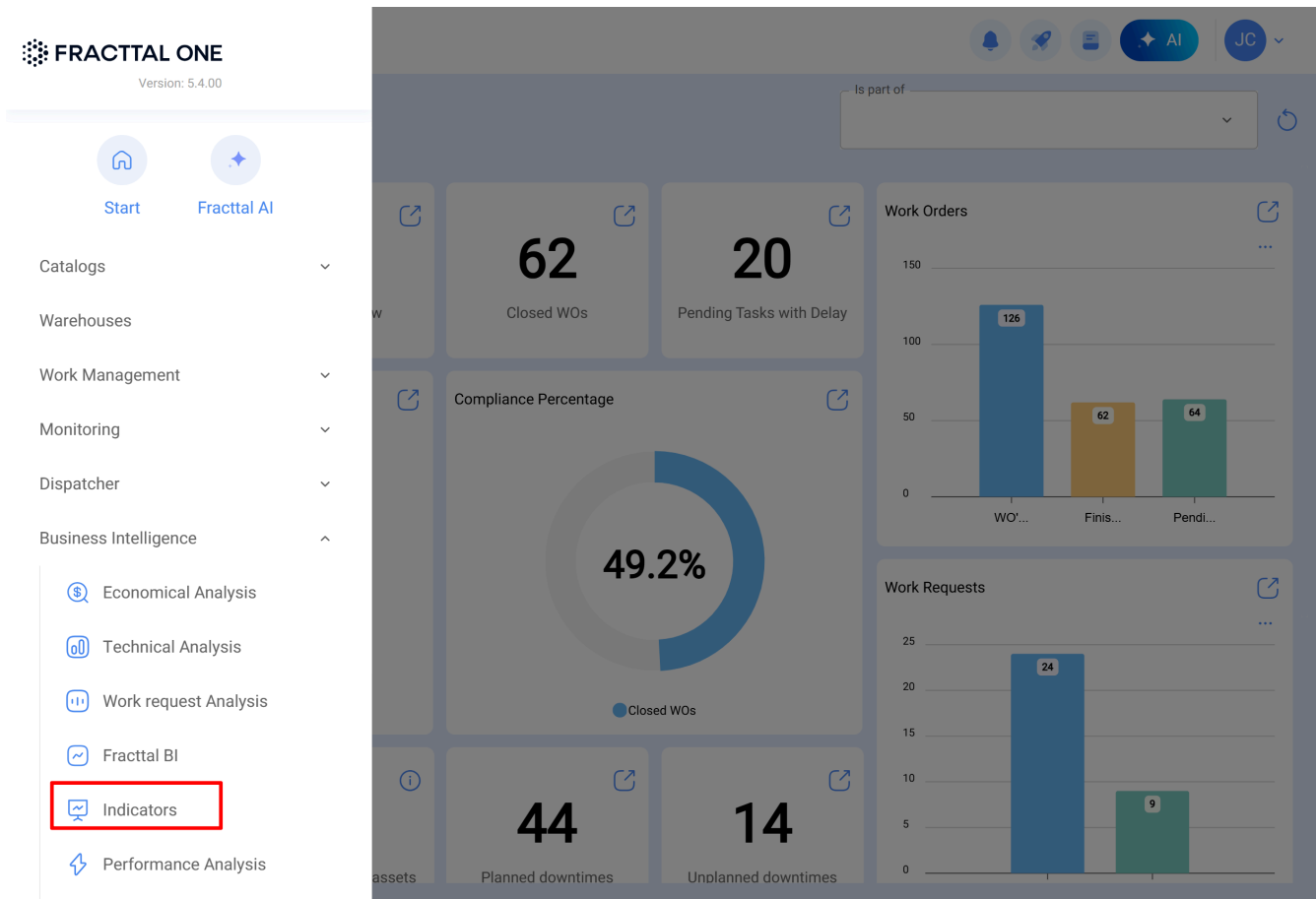


For more details, you can consult the following related articles: [Fractal BI](#), [How to Use Fractal BI?](#), [How to Add a Panel or Dashboard in Fractal BI?](#), [What Are Widgets in Fractal BI?](#)

Indicators

The Indicators module allows calculating and tracking essential maintenance KPIs, such as MTBF (Mean Time Between Failures), MTTR (Mean Time to Repair), and asset availability. These KPIs are fundamental to evaluate the effectiveness of maintenance operations.

- **Calculated KPIs** with **saved** date ranges for recurring queries.
- **Global average** of aggregated behavior.
- **Information by asset:** availability by maintenance, availability by failure (reliability), MTBF, MTTR, number of failures, total hours, hours per breakdowns, and downtime hours due to maintenance.



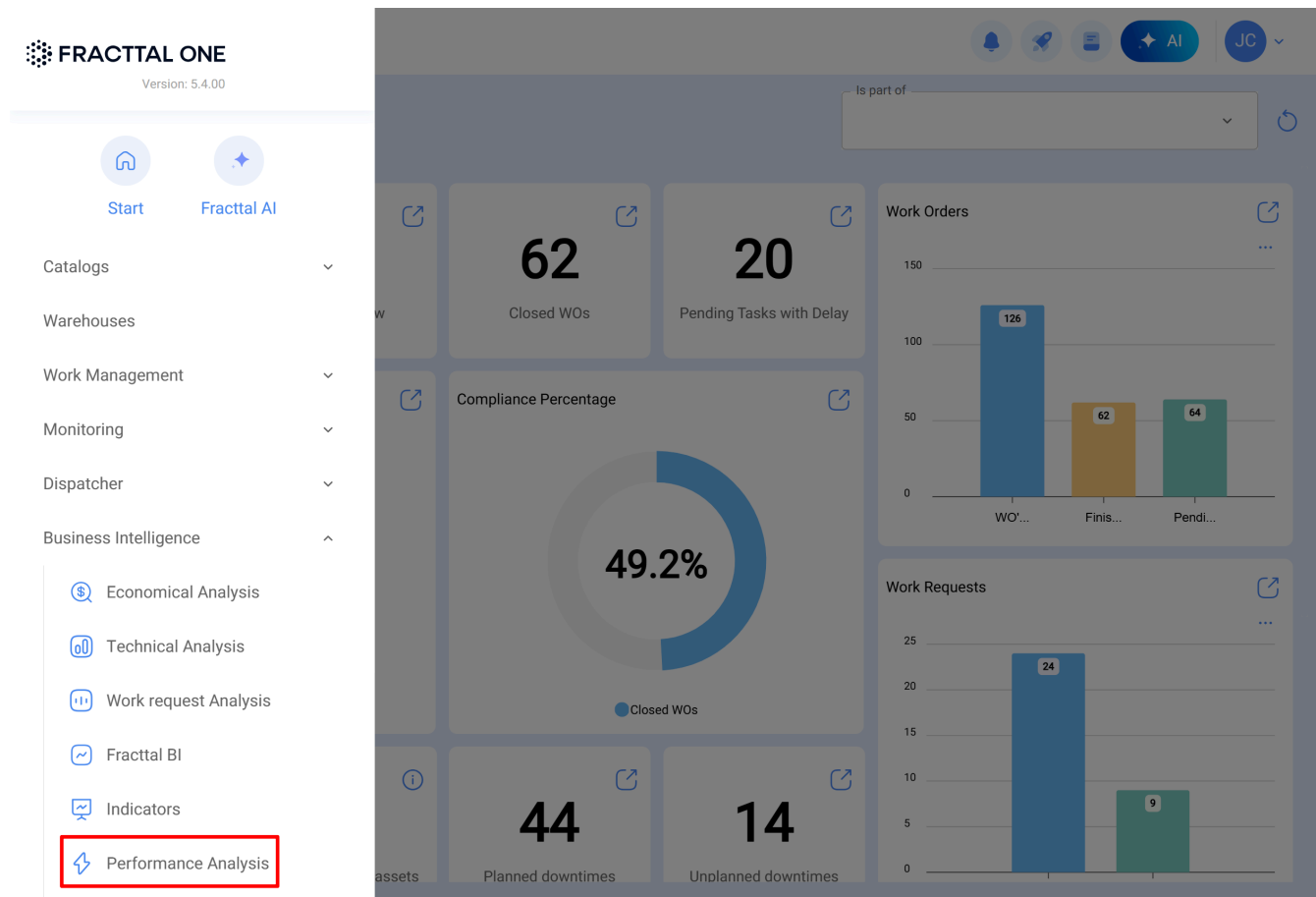
Transparency and Filters

- Access to applied formulas (by asset and general) and navigation to asset details.
- Filters: location/site, asset type, code, cost center, and custom forms.

Note: for the **MTBF** and **MTTR** indicators, only failures causing asset downtime are counted.

For more details, you can consult: [How to Use Maintenance Indicators in Fractal One](#)

Performance Analysis



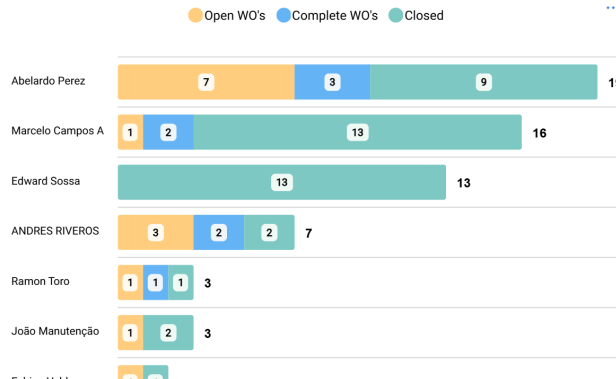
The Performance Analysis module focuses on managing and distributing Work Orders and tasks among maintenance team members. It helps identify workload imbalances and evaluate the performance of each technician or responsible person.

- **WOs assigned by responsible (total):** shows how many work orders each responsible person has received and their distribution among execution stages, allowing identification of workload and progress of each member.
- **WOs assigned by responsible (%):** percentage of work orders assigned to each responsible person, helping detect overloads or inequalities in work distribution.
- **Tasks by Human Resource (total and %):** evaluation of task distribution per person to identify overload or idle capacity.

Creation Date:
2025-09-03 / 2025-09-19

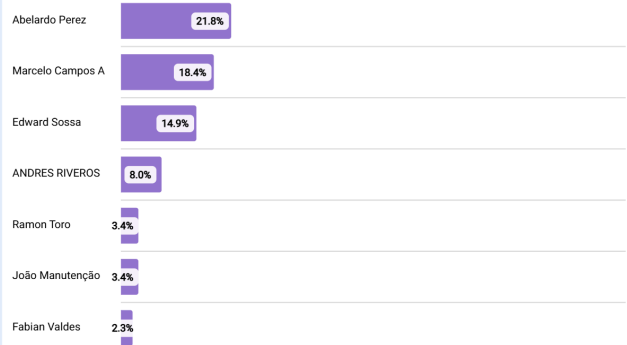
WOs assigned by Responsible

Expand



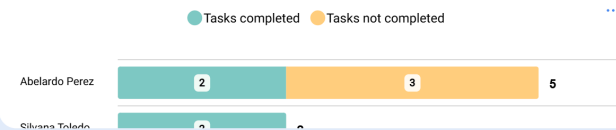
Percentage of human resources in WO's.

Expand



Number of Tasks per Human Resource

Expand



Tasks Percentage by Human Resource

Expand



- Group/filter by Scheduled Date, Creation Date, Start Date, and End Date.
- **See More** opens the underlying table; export option according to configuration.
- It is recommended to standardize statuses and responsible persons for comparable metrics.

For more details, you can consult the following related articles: [Performance Analysis Module](#), [How to Generate a Performance Report of My Team in Fractal One?](#)

Dashboard (redirect)

Direct access to the **main dashboard** of Fractal One: an executive, updated, and summarized view for daily monitoring.

Catalogs

Warehouses

Work Management

Monitoring

Dispatcher

Business Intelligence

Economical Analysis

Technical Analysis

Work request Analysis

Fracttal BI

Indicators

Performance Analysis

Dashboard

Cloud Disk

