

Shaping
the future
of digital
business

Engenion
Release
Notes

Version 2024.1

GFT 



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Release Notes

Version 2024.1

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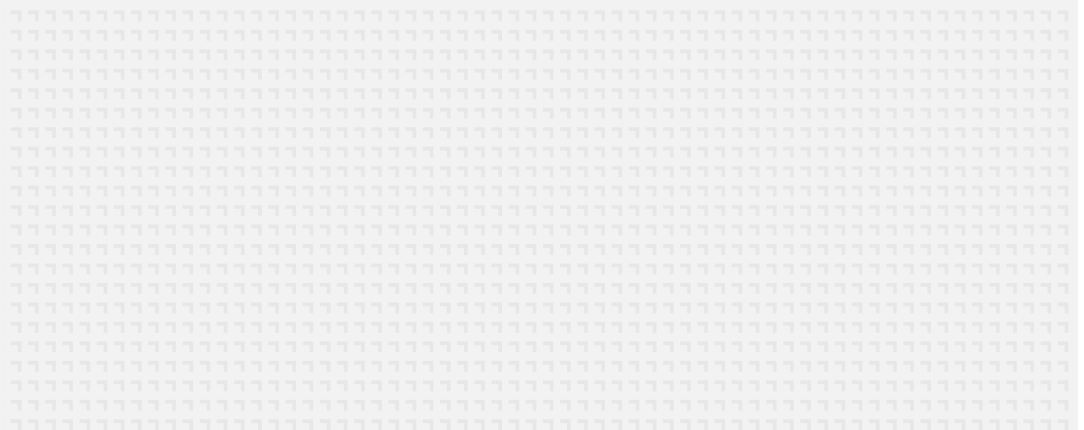
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1.0 Overview

This is the first major release of 2024. In this update, a completely redesigned user interface enhances usability and accessibility, providing a more intuitive experience for users.

Significant changes have been made to the cost unit structure, including replacing project phases with milestones and billing periods. Additionally, a visual representation of the OAV project structure has been introduced within the application. This new OAV structure facilitates portfolio staffing, allowing projects to be managed according to priority, required roles, capacity, and skills, with advanced filtering and side-by-side views of capacity and allocation of hours to staff.

New discussion board and history service features are also included in this release, along with improved permission changes for more granular control and better group and financial rights management.



2.0 New Features

2.1 New UI



Modernized Interface

Experience a sleeker interface that brings a fresh and contemporary look to our platform. The updated logo adds a modern touch, seamlessly integrating with the new design elements. These enhancements not only improve aesthetic appeal but also contribute to a more intuitive and user-friendly experience. Users will find navigating the platform more enjoyable and visually engaging.

Revised Color Scheme

The user interface now features an appealing orange theme that significantly enhances the overall visual appeal. This vibrant color scheme improves usability by making key elements stand out, facilitating easier navigation. The new theme also adds a warm and energetic vibe to the platform, making it more inviting for users. These changes are designed to create a more pleasant and efficient user experience.

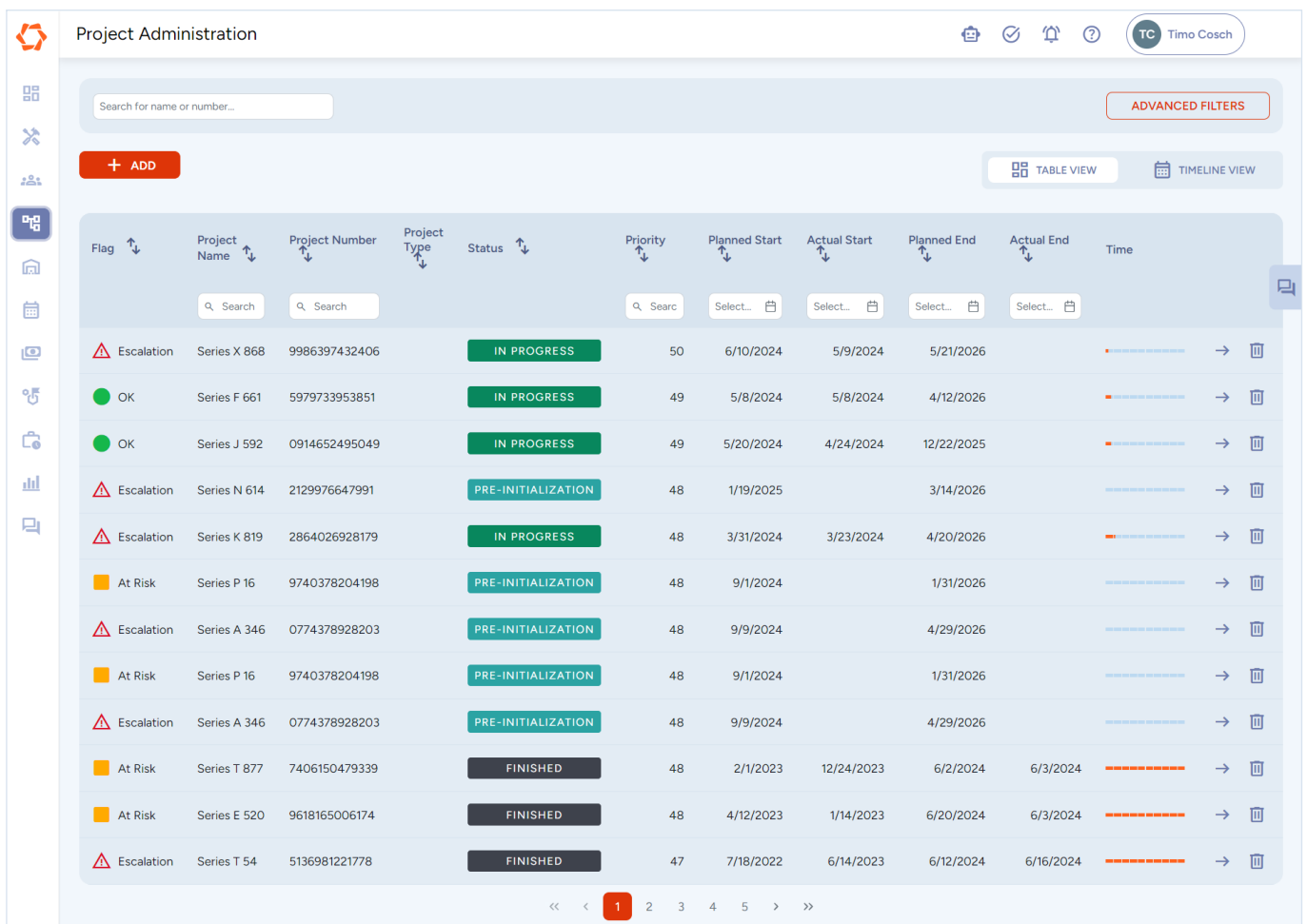


Figure 01: Project Administration

2.2 Portfolio Staffing



Priority-based Staffing

Ensure that projects are staffed according to their priority levels, thereby aligning resources with strategic goals and project needs. This approach guarantees that the most critical projects receive the necessary attention and support. By prioritizing staffing, you can optimize resource utilization and ensure that high-priority projects are completed efficiently and effectively. This alignment fosters better project outcomes and strategic alignment with organizational objectives.

Enhanced Visibility

Gain comprehensive insights into your staffing resources with side-by-side views of capacity and allocation of hours. This feature enables proactive management by allowing you to see how resources are distributed across projects in real-time. With this enhanced visibility, you can quickly identify imbalances and make necessary adjustments to improve efficiency. It supports better planning and execution by providing a clear picture of resource utilization.

Cost-aware Staffing

Ensure optimal resource allocation by considering cost differentials among staff, balancing expertise with budgetary constraints. This feature helps you utilize indicators for high-cost or low-cost staff to make informed decisions. By effectively managing project budgets, you can achieve a balance between quality and cost-efficiency. This cost-aware approach ensures that you allocate resources wisely, maximizing both financial and project performance.

Highlighting Staffing Issues

Identify and address critical staffing issues with new indicators for understaffed projects and tools for monitoring the cost implications of staffing decisions. This feature helps you pinpoint areas that need immediate attention and allows for timely interventions. By highlighting these issues, you can proactively resolve staffing challenges before they impact project timelines and budgets. This capability ensures smoother project execution and better overall resource management.

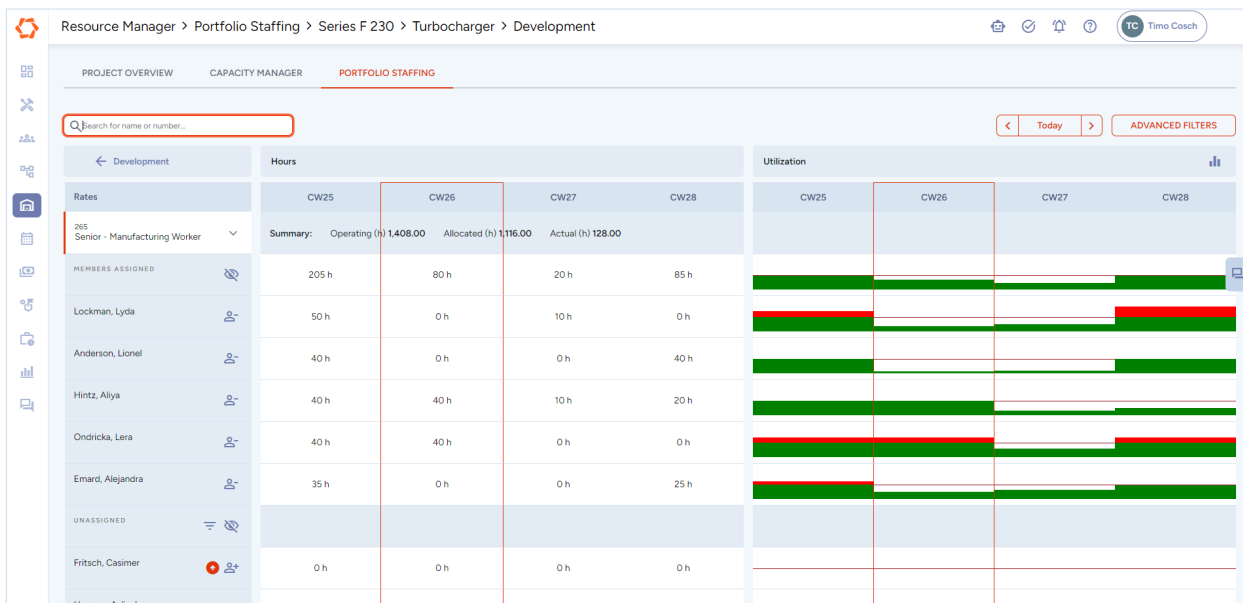


Figure 02: Portfolio Staffing

2.3 History Services



The screenshot shows the 'Administration' module with the 'HISTORY' tab selected. The table displays a list of system changes with columns for Date, User, Source, Action, Project, Table, Field, Old Value, and New Value. The data includes updates to ValidFrom, DueDate, and ActualEndDate for various project milestones and cost units.

Date	User	Source	Action	Project	Table	Field	Old Value	New Value
6/27/2024 - 14:38:29	Cosch Timo	ProjectAdministration	Update	Series M 15	CostUnit	ValidFrom	2024-06-01	2024-06-27
6/27/2024 - 14:38:14	Cosch Timo	ProjectAdministration	Update	Series M 15	CostUnit	ValidFrom	2024-06-01	2024-06-27
6/27/2024 - 14:21:47	Cosch Timo	ProjectAdministration	Update	Series F 230	ProjectMilestone	DueDate	2025-03-23	2025-01-07
6/27/2024 - 14:20:51	Cosch Timo	ProjectAdministration	Update	Series F 230	ProjectMilestone	DueDate	2024-06-11	2024-05-27
6/27/2024 - 14:20:42	Cosch Timo	ProjectAdministration	Update	Series F 230	ProjectMilestone	DueDate	2024-08-11	2024-06-27
6/27/2024 - 14:20:31	Cosch Timo	ProjectAdministration	Update	Series F 230	ProjectMilestone	ActualEndDate	2024-06-27	2024-06-03
6/27/2024 - 14:20:26	Cosch Timo	ProjectAdministration	Update	Series F 230	ProjectMilestone	DueDate	2024-06-27	2024-06-11
6/27/2024 - 14:20:18	Cosch Timo	ProjectAdministration	Update	Series F 230	ProjectMilestone	ActualEndDate		2024-06-27
6/27/2024 - 14:20:18	Cosch Timo	ProjectAdministration	Update	Series F 230	ProjectMilestone	Status	0	1

Figure 03: History

Comprehensive Tracking

Introducing History Services, a powerful feature that enables thorough tracking, auditing, and review of all Engenion system changes. This tool promotes transparency by providing users with detailed insights into the evolution of data and configurations. Users can easily monitor modifications, ensuring accountability and facilitating the identification of any changes over time. With this feature, Engenion enhances its commitment to maintaining high standards of data integrity and transparency.

Accessible Change History

Users can now conveniently access the complete change history through the dedicated 'History' tab within the General Administration module. This centralized repository consolidates all change logs, making it easy to review past modifications and understand their impact. By providing a clear and comprehensive view of data management practices, this feature ensures both clarity and accountability. Users can trace the history of changes, supporting better governance and compliance.

Project-Specific Changes

Easily track project-specific modifications via the 'History' tab within the Project Administration module. This granular view provides project stakeholders with valuable insights into the evolution of individual projects. By documenting all changes, this feature empowers users to make informed decisions based on historical data. It enhances project transparency, ensuring that every modification is traceable and that the decision-making process is well-documented.

2.4 Discussion Board



Introducing a Discussion Board with real-time chat functionality to facilitate seamless collaboration among users. Discussions are conveniently accessible next to relevant data within individual modules, ensuring contextually relevant communication.

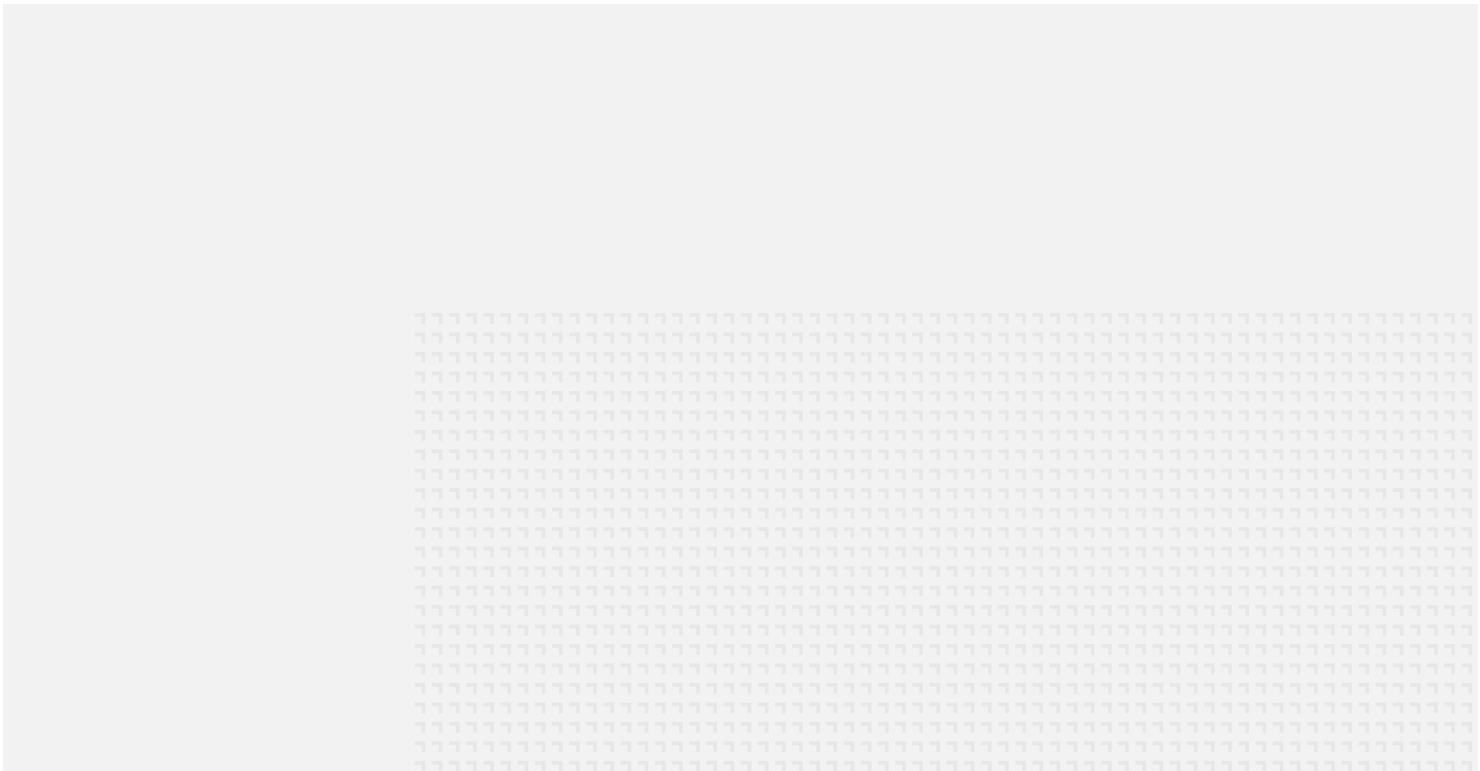
Additionally, all conversations are centralized within a dedicated discussion hub, providing a comprehensive overview of all ongoing discussions. This feature enhances teamwork by enabling instant communication and easy access to important conversations across the platform.

Focused Discussion

Users can now initiate discussions directly within modules, projects, or specific topics, enabling targeted communication. This feature allows team members to address particular issues, share insights, and collaborate more effectively. By focusing discussions on relevant areas, users can ensure that conversations remain organized and pertinent. This targeted approach enhances productivity and ensures that critical project information is straightforward to access and manage.

Labeling and Tagging

Organize discussions efficiently with the introduction of precise labels and tags. This feature allows users to categorize conversations based on topics, projects, or other relevant criteria. By using labels and tags, users can quickly navigate through discussions, find relevant information, and streamline collaboration. Labels and Tags boost the overall efficiency of managing discussions, making it simpler to keep track of key conversations and updates.



Discussion center

Search for title...

Budget question

Series X 868 Project Administration Budget

There are staffing issues with Project X868.
Could you please have a look at this Amanda Fisher

6/27/2024 | 15:53 | Timo Cosch

Staffing issue

Series Y 170 Project Administration Staffing

There are staffing issues with Y170
Timo Cosch would you be able to speak to Team McClure about this?

6/26/2024 | 15:16 | Timo Cosch

New Team Member

Series V 485 Series N 119 Series Y 407 Administration HR-Manager

There is a new team member we need to onboard. They have the right skills required for project V485, N199, Y 407

6/24/2024 | 16:08 | Timo Cosch

Figure 04: Discussion Board

Project Administration

Search for name or number...

Discussions

New Discussion

Title *
Budget question

Normal Sans Serif B I U A

There are staffing issues with Project X868.
Could you please have a look at this Amanda Fisher

Project Label
Series X 868

Module Label
Project Ad...

Other Label
Budget

Cancel START DISCUSSION

Flag	Project Name	Project Number	Project Type	Status	Priority	Planned Start	Actual Start
Escalation	Series X 868	9986397432406		IN PROGRESS	50	6/10/2024	
OK	Series F 661	5979733953851		IN PROGRESS	49	5/8/2024	
OK	Series J 592	0914652495049		IN PROGRESS	49	5/20/2024	
Escalation	Series N 614	2129976647991		PRE-INITIALIZATION	48	1/19/2025	
Escalation	Series K 819	2864026928179		IN PROGRESS	48	3/31/2024	
At Risk	Series P 16	9740378204198		PRE-INITIALIZATION	48	9/1/2024	
Escalation	Series A 346	0774378928203		PRE-INITIALIZATION	48	9/9/2024	
At Risk	Series T 877	7406150479339		FINISHED	48	2/1/2023	
At Risk	Series E 520	9618165006174		FINISHED	48	4/12/2023	
Escalation	Series T 54	5136981221778		FINISHED	47	7/18/2022	

Figure 05: Discussion Board, New Discussion

3.0 Enhancements

3.1 OAV Tree

Engenion introduces a visual OAV tree structure within projects, significantly enhancing the organization and navigation of product development.

Visual OAV Tree Structure

This feature provides a clear, graphical representation of project components, making it easier to map out and manage the intricate details of product development. Users can visually structure objects, activities, and values, ensuring comprehensive oversight and control. This innovation streamlines the product development process, offering improved clarity and efficiency.

Standard Templates

The creation of standard OAV structure templates allows for consistent setup of product development projects across the organization. These templates provide a predefined framework that ensures all product development efforts adhere to the same organizational standards and procedures. By using these templates, teams can save time during project initialization and maintain uniformity, which is critical in developing complex products. This consistency helps in minimizing errors and enhancing efficiency in product planning and execution.

OAV Templates During Planning

Product development projects now seamlessly integrate the OAV project structure, ensuring consistency and alignment with organizational standards. This integration offers a robust foundation for structuring product development, ensuring that all necessary elements are included from the outset. The use of OAV templates during the planning phase ensures that product development efforts are coherent and standardized across all projects leading to enhanced quality of product development and better support of resource allocation and progress tracking.

Flexibility and Adaptability

The OAV templates are designed with flexibility in mind, allowing easy adjustments to meet specific project needs and evolving market demands. This adaptability ensures that teams can tailor the templates to suit unique project requirements without compromising on the overall coherence and alignment with organizational standards, resulting in more efficient and responsive product development processes.

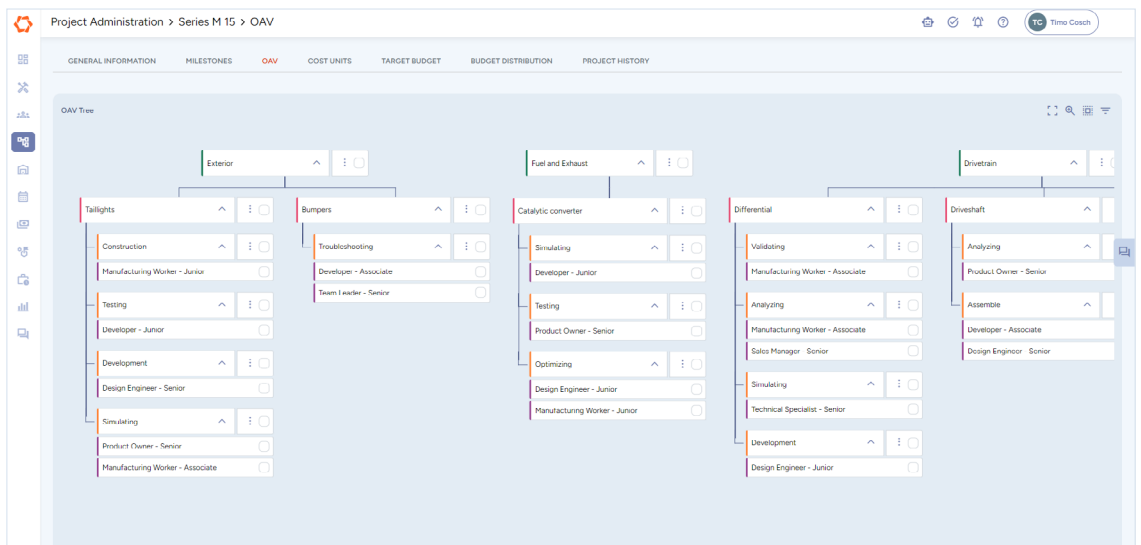


Figure 06: OAV Tree

3.2 Milestones and Billing Periods



Replacement of Phases

Phases have been replaced with “Billing Periods” and “Milestones,” providing enhanced project tracking and management capabilities. This change allows for more precise monitoring of project progress and financial management. By segmenting projects into billing periods, users can better manage budgets and forecast expenditures. The introduction of milestones ensures that key project goals are clearly defined and tracked, improving overall project delivery and accountability.

Automatic Billing Period Creation

Billing periods are now set automatically per year at the cost unit creation, significantly reducing manual effort and ensuring accuracy. This automation ensures that billing periods are consistently applied across all projects, streamlining financial tracking. By eliminating the need for manual setup, this feature minimizes errors and saves time for project managers. It enhances the efficiency of project financial management, making it easier to monitor and report on project costs across the financial year.

Manual Milestone Setting

Users can now manually set milestones from a predefined list, complete with due dates, for enhanced project milestone management. This feature allows project managers to customize milestones to fit specific project needs and timelines. By setting clear due dates, it becomes easier to track progress and ensure that critical tasks are completed on time. This manual setting capability provides flexibility and improves the precision of project scheduling and delivery.

UI Adjustments

Changes to the user interface have been implemented to accommodate the introduction of billing periods and milestones. These adjustments ensure that the new features are seamlessly integrated into the platform, providing a smooth user experience. The updated UI is designed to be intuitive, making it easy for users to navigate and utilize the new functionalities.

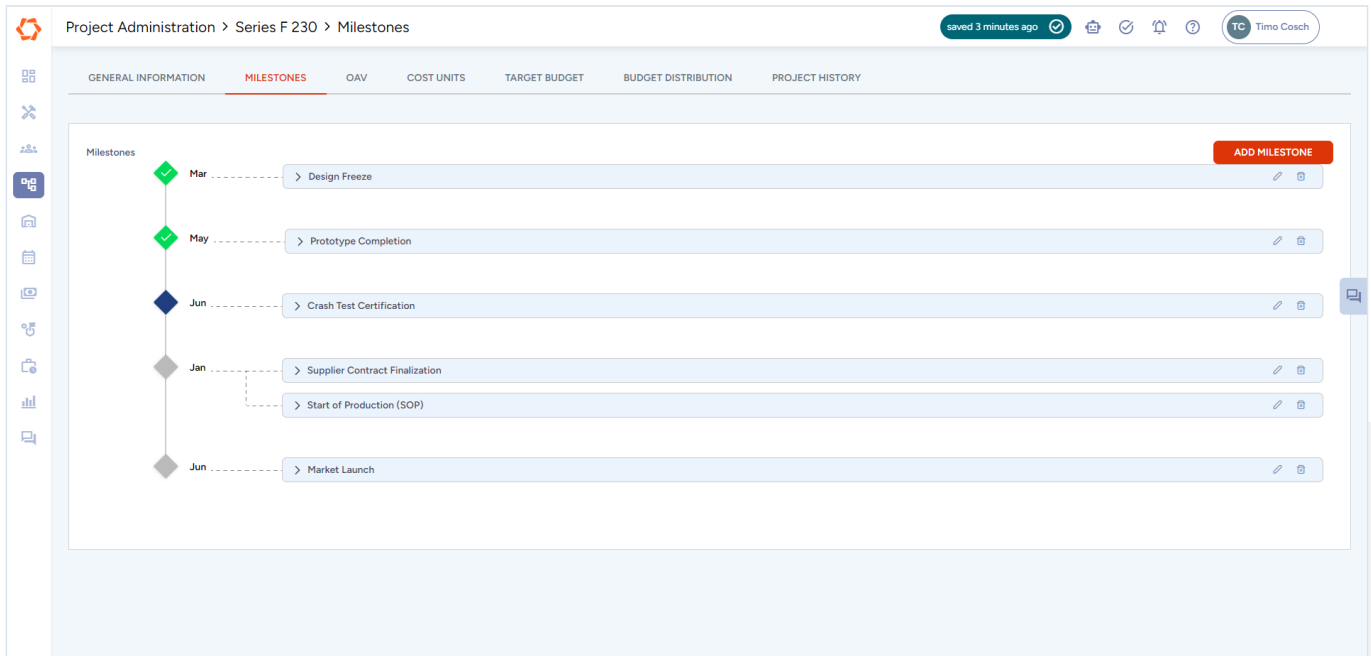


Figure 07: Milestones



3.3 Feature Flags



Engenion now implements a feature flag management system based on Flipt. This system allows for greater control over which features are active within the platform, providing a versatile approach to managing new functionalities.

By using feature flags, administrators can gradually roll out updates, conduct A/B testing, and manage feature availability without requiring full deployments.

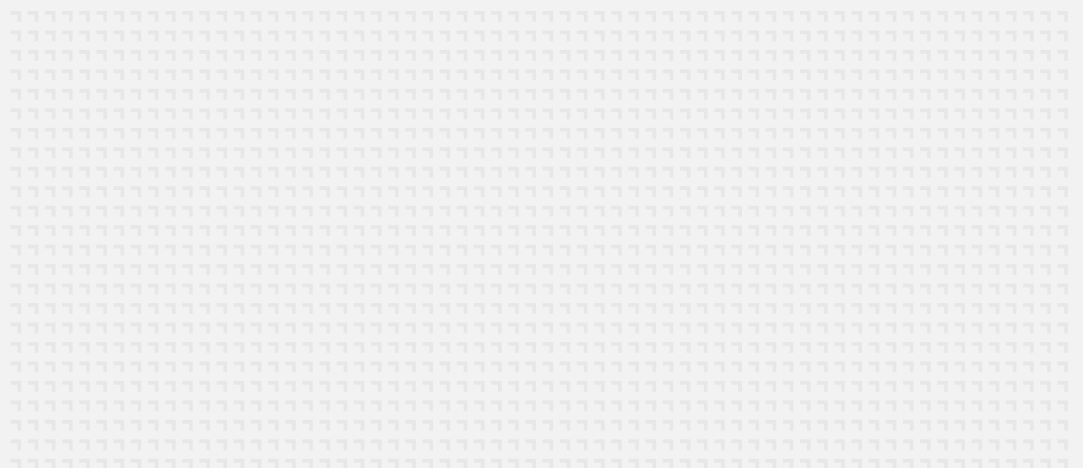
This implementation enhances the adaptability and responsiveness of the system to user needs and feedback.

Feature Flags Configuration

Configured feature flags are now added as defaults on startup, ensuring the seamless integration of new flags into the system. This automatic configuration simplifies the process of introducing new features, making it easier for administrators to manage and deploy updates. By setting defaults on startup, the system ensures that all new features are immediately available without manual intervention. This approach supports a smoother and more efficient update process, enhancing the user experience.

Dynamic Feature Management

Users can now enable or disable features dynamically with defined flags via Flipt, facilitating flexible and dynamic feature management. This capability allows for real-time adjustments to the system's functionality based on organizational needs or testing outcomes. By providing the ability to toggle features on and off, Engenion empowers administrators to tailor the platform to current requirements and quickly respond to changes. This flexibility enhances the overall efficiency and effectiveness of managing the platform's features.



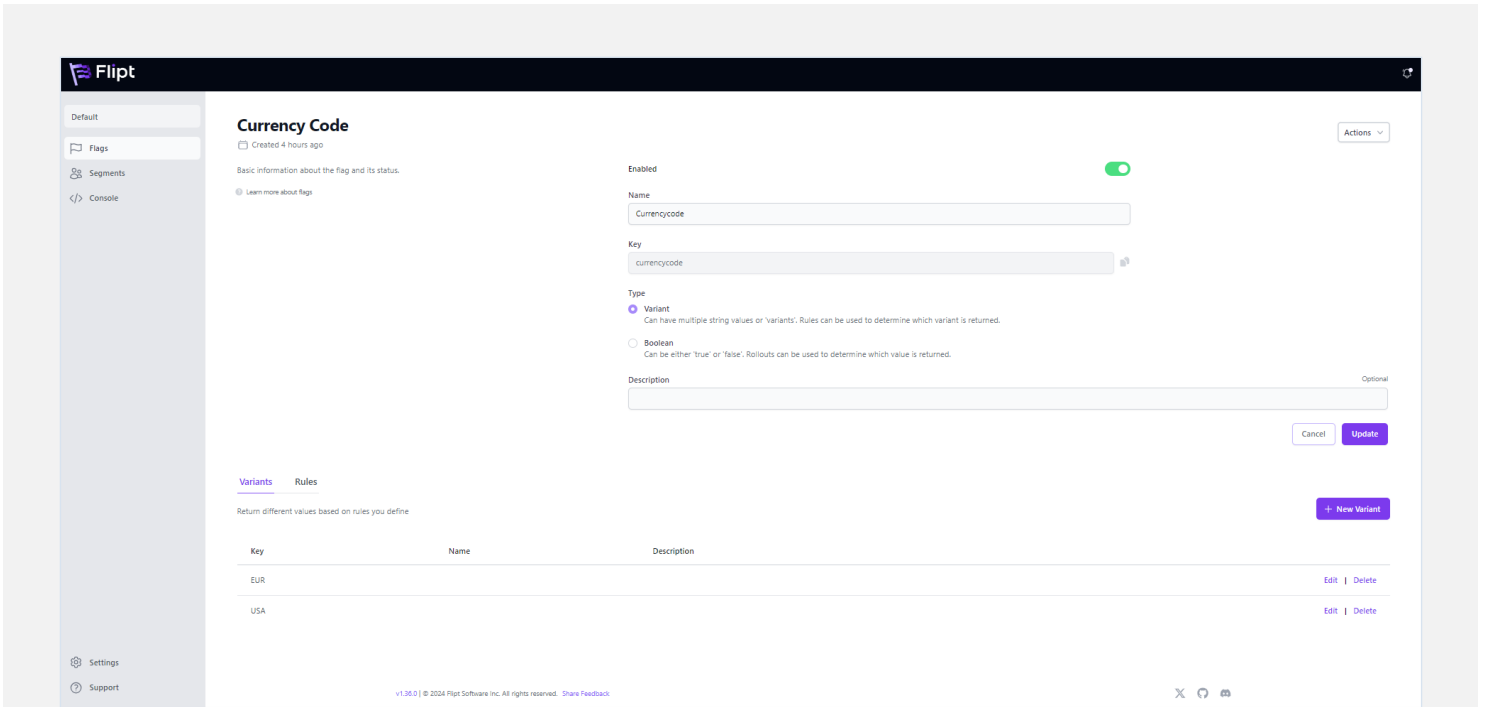


Figure 08: Flipt, Currency

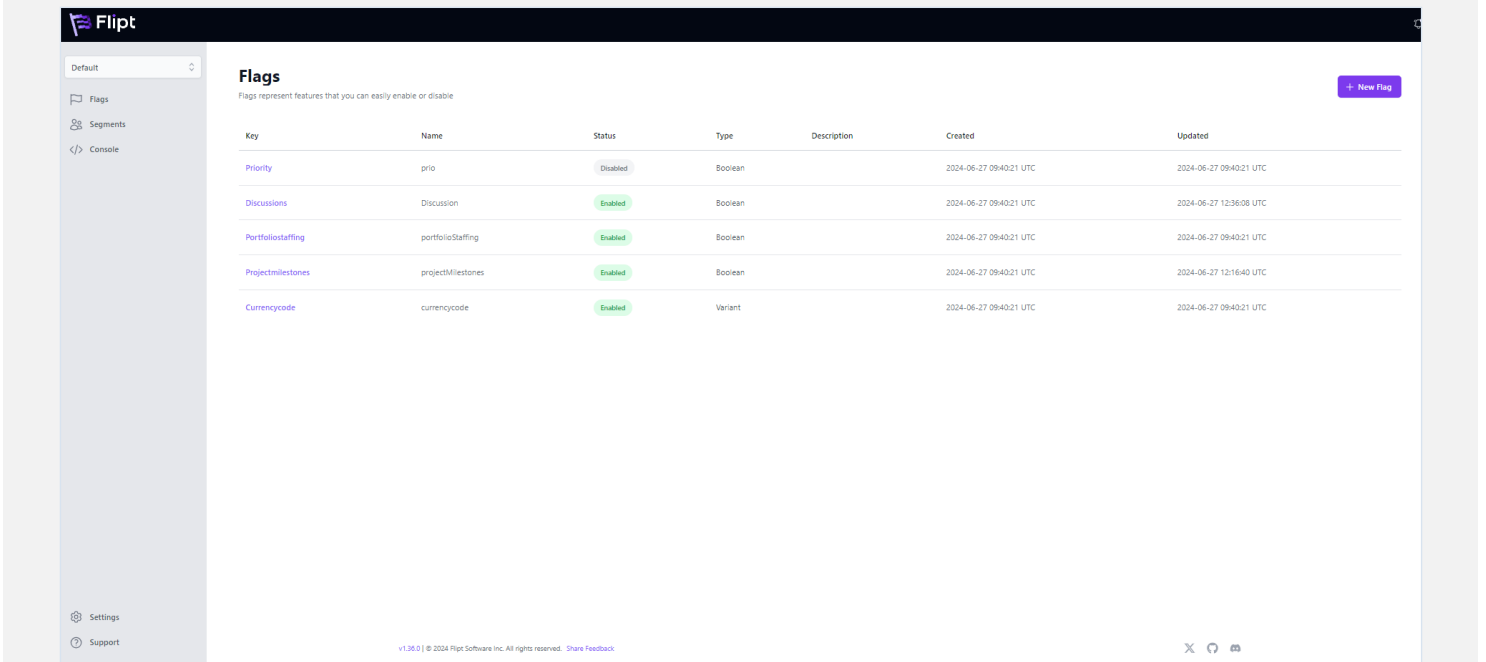


Figure 09: Flipt, Settings

3.4 Job Roles and Rates



Transition to Global Usage

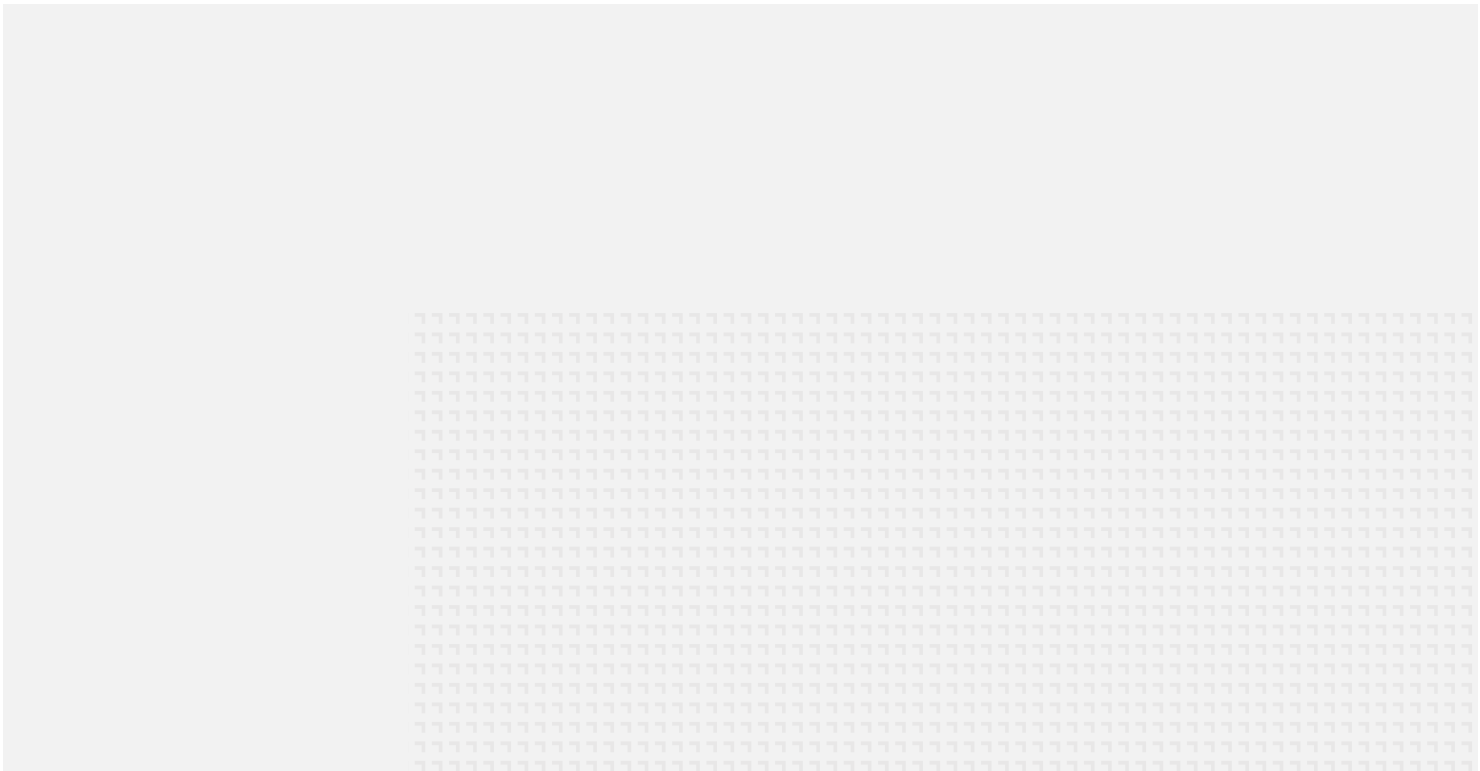
Rates have transitioned from being project-specific to global usage across all projects, enhancing consistency and simplifying rate management. This shift ensures that the same rate structures are applied universally, reducing discrepancies and standardizing budgeting processes. With global rates, it becomes easier to manage financial aspects across multiple projects, promoting uniformity and efficiency. This change streamlines administrative tasks and supports more accurate financial forecasting and reporting. Global rates are set annually, with a fallback to the last year with an entry if the current year's rates are not available.

Allocation of Alternative Rates

People with alternative rates can now be allocated to cost units, enabling greater flexibility in resource allocation. This feature allows project managers to assign resources based on specific rate requirements, accommodating varied budgeting needs. By facilitating the inclusion of individuals with different rates, projects can optimize resource utilization while staying within budget constraints. This added flexibility helps in addressing unique project demands and ensures a better match of skills and costs

Consideration of Cost Differences

Cost differences in actual costs are now considered, facilitating more accurate comparisons and informed decision-making. This feature allows project managers to track and analyze variations between planned and actual costs, providing deeper insights into financial performance. By considering these differences, managers can identify cost overruns or savings, leading to better budget management. This capability supports strategic planning and enhances the ability to make data-driven decisions, ultimately improving project financial control.



The screenshot shows the 'Resource Manager > Series F 230 > Staffing' interface. The main table lists staffing items with columns for Cost unit number, Object, Billing Period, Activity, and Job Level. An 'Edit Data' modal is open on the right, showing a filter menu for 'Job Level' with options like Developer, Junior, Associate, and Senior. Below the filter is a table with columns: Workload (h), Remaining Capacity (h), and Total Capacity (h). The modal also has 'DISCARD' and 'SAVE' buttons at the bottom right.

Cost unit number	Object	Billing Period	Activity	Job Level	Operating Budget (h)
261	Heater core	2024	Testing	Sales Manager - Junior	
262	Bumpers	2025	Troubleshooting	Developer - Associate	
263	Axle shafts	2025	Validating	Manufacturing Worker - Senior	
264	Instrument cluster	2026	Construction	Design Engineer - Junior	
265	Turbocharger	2024	Development	Manufacturing Worker - Senior	
266	Differential	2025	Simulating	Technical Specialist - Senior	
267	Heater core	2024	Troubleshooting	Team Leader - Associate	
268	Tailights	2024	Simulating	Manufacturing Worker - Associate	
269	Driveshaft	2026	Assemble	Developer - Associate	
270	Driveshaft	2024	Assemble	Design Engineer - Senior	
271	Lighting system	2026	Construction	Manufacturing Worker - Associate	
272	Frame	2024	Optimizing	Product Owner - Senior	
273	Tailights	2025	Construction	Manufacturing Worker - Junior	

Figure 10: Job Roles, Indicators

The screenshot shows the 'Administration' view for 'Job Levels'. It includes a table with columns: Name, Description, Rate, Valid From, and Valid Until. A dropdown menu is open for 'Show values for', showing years from 2021 to 2026, with 2024 selected. The table lists job levels like Developer, Junior, Associate, Senior, Product Owner, Manufacturing Worker, Sales Manager, and Team Leader.

Name	Description	Rate	Valid From	Valid Until
Developer	Developer Description		1/1/2000	
Junior		310		
Associate		830		
Senior		590		
Product Owner	Product Owner Description		1/1/2000	
Manufacturing Worker	Manufacturing Worker Description		1/1/2000	
Sales Manager	Sales Manager Description		1/1/2000	
Team Leader	Team Leader Description		1/1/2000	
Technical Specialist	Technical Specialist Description		1/1/2000	

Figure 11: Rates

3.5 Objects



Objects Hierarchy

Engenion transitions from a flat list to a more structured system with Objects and Clusters/Groups/Functional Blocks featuring 2-tier hierarchies, significantly enhancing data organization and management. This hierarchical approach allows for better categorization of project components, making it easier to navigate and manage complex datasets.

By grouping related objects into functional blocks, users can achieve a clearer understanding of project structures and dependencies. This enhancement improves overall data organization, leading to more efficient project management and streamlined workflows.

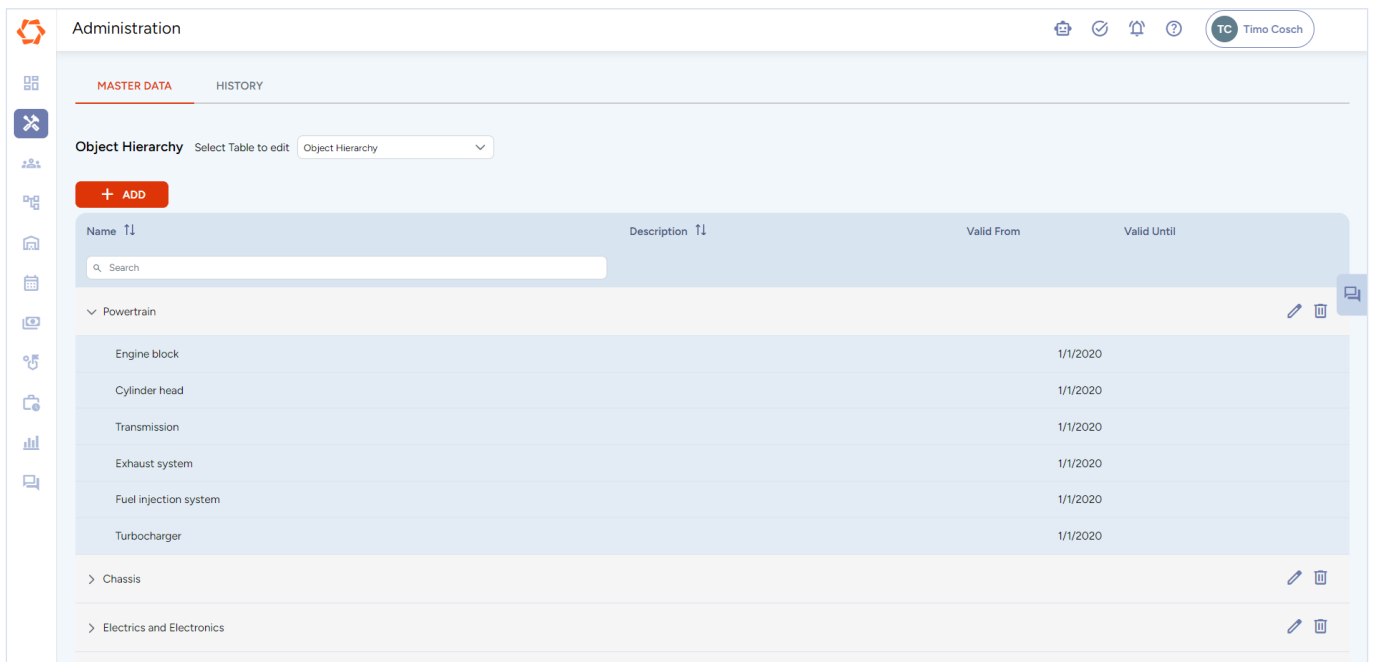


Figure 12: Objects

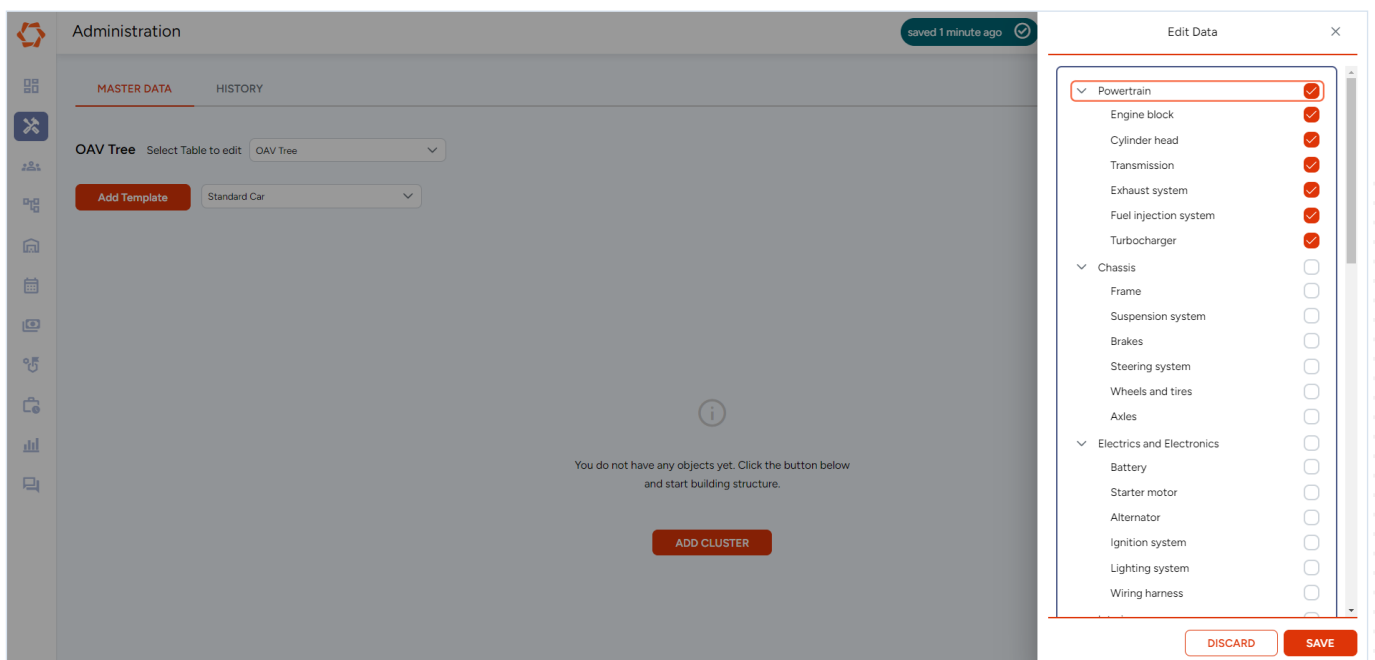


Figure 13: Objects

3.6 Project Members



Enhanced Project Staffing

Projects can now be staffed from all employees, eliminating the need for predefined project members and enabling dynamic project staffing. This enhancement offers greater flexibility and agility in resource allocation, allowing project managers to select staff based on their specific skills, availability, and expertise. By not being restricted to a predefined list or rate, managers can quickly adapt to changing project requirements and ensure the best fit for each task. This dynamic approach enhances the efficiency and effectiveness of project teams, leading to improved project outcomes.

On-the-Fly Member Lists

Project member lists are now created dynamically from staffed individuals, ensuring up-to-date and accurate project staffing information. This feature automatically updates member lists based on current staffing decisions, reflecting real-time changes and adjustments. By maintaining accurate and current staffing records, project managers can better track resource allocation and team composition. This dynamic listing supports more effective team management and ensures that all project stakeholders have access to the latest staffing information, improving coordination and communication.

3.7 Improved Rights and Permissions



Granular Permissions

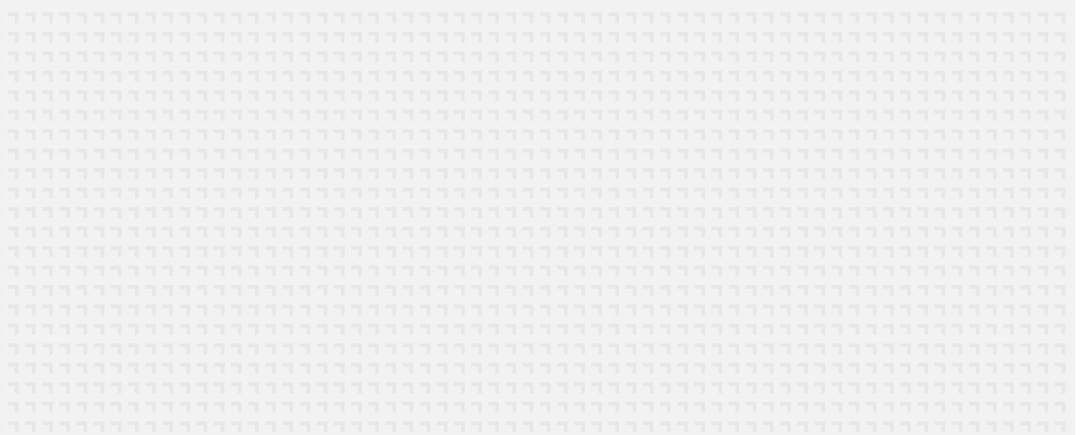
Introducing more granular rights management for better control and precision over user access. This enhancement allows administrators to define and assign specific permissions at a detailed level, ensuring that users have access only to the data and functionalities necessary for their roles. By tailoring permissions more closely to individual responsibilities, organizations can enhance security and compliance.

Expanded Financial Rights

The addition of more financial rights offers comprehensive management capabilities for financial operations. This enhancement allows for more detailed control over who can access and manage financial data, ensuring that only authorized personnel can perform specific financial tasks. By expanding financial rights, organizations can better segregate duties, reducing the risk of fraud and improving financial oversight.

Enhanced Group Management

Improved group management capabilities provide a more robust framework for organizing and controlling user access. This enhancement simplifies the process of creating, modifying, and managing user groups, making it easier to align group permissions with organizational structures. With better tools for group management, administrators can ensure that users are correctly grouped according to their roles and responsibilities.



3.8 Currency Display Unit Setting



Flexible Currency Display

Engenion introduces the ability for organizations to customize currency display units, leveraging the dynamic feature flag management system, Flipt. This new capability allows for quick adjustments to adhere to specific formatting guidelines for each currency used within the platform using ISO 4217 currency codes. Organizations can easily configure and modify currency displays to match their preferences and standards. This feature enhances usability by ensuring financial data is presented clearly and consistently, aligning with organizational requirements and improving overall financial clarity across the platform.

3.9 Updates



Technological Upgrades

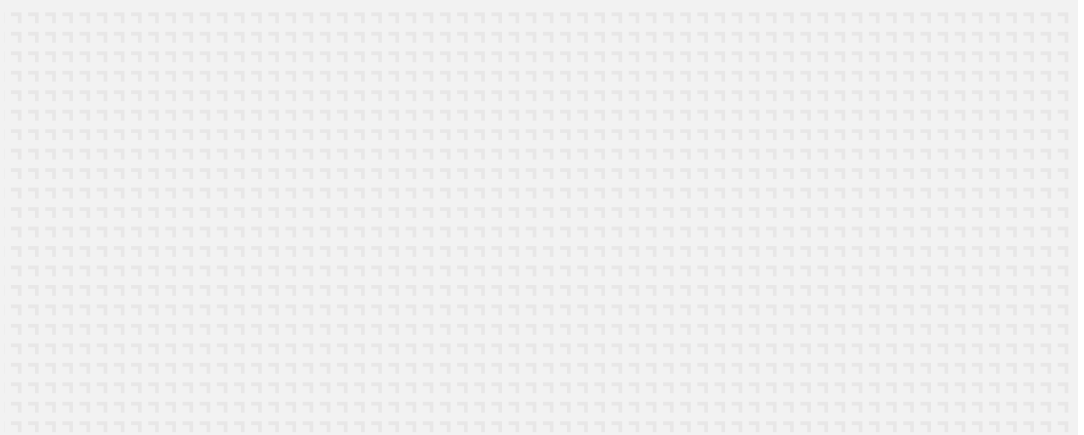
Upgrade to Angular 17, TypeScript 5, Nx 17, and PrimeNG 16 for improved performance and stability.

3.10 Bug Fixes



Stability Improvements

Various minor bugs fixed for enhanced stability and user experience.



GFT Corporate Center
in Stuttgart, Germany



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GFT is a digital transformation pioneer. By leveraging next-generation technologies, we enable clients to boost their productivity with intelligent software solutions. We focus on Digital Finance, Enterprise AI & Data Solutions, and Platform Modernisation. GFT's strengths include deep technological excellence, a strong ecosystem of partners, and industry expertise. GFT talents create, implement, and manage software applications to enable innovative businesses while complying with regulations. With locations in 20 markets around the globe, GFT ensures proximity to its clients. The company draws on over 35 years of experience and a global team of over 12,000 determined talents.

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