Asset Lifecycle Management

With the introduction of the Asset Lifecycle Management application, GLOVIA G2 customers now have the ability to manage the entire life of their enterprise assets, whether those assets are identified as manufacturing plant, infrastructure or facilities assets.

By pro-actively planning maintenance activities, by monitoring expenditure on all assets and by seeing the overall workload for maintenance technicians, a company can improve manufacturing efficiency while driving down MRO costs.

Asset Definition

Assets are defined, categorized and described in the Asset Management workbench. An Asset may contain multiple modules, each with their own maintenance schedule, and may also have specific components defined down to the serial level. All service plans, maintenance costs and the current state of an asset can be seen at a glance in the workbench. There is unlimited text capability; and any number of documents, manuals, drawings, diagrams etc. can be attached to an asset. New analysis functionality has been added to the asset to help define it, with a user having the ability to create unlimited new fields for better Asset definition and analysis. The assets location is defined and, if appropriate, the asset can be linked to a GLOVIA G2 production machine. This linkage enables automatic update of usage from production information. Where this data is not available from manufacturing, simple screens allow users to quickly enter counter information directly from the asset.

Maintenance Definition

For all planned maintenance, it is possible to define the resources needed to perform the work, how much time is expected to be spent, the materials needed to complete the service (filter, oil, parts, etc) and any specialist tools or equipment needed to perform the service. This information provides a baseline, against which the actual time and materials expended can be compared.

Maintenance schedules can be defined based on counter or date intervals, or they can be defined in a very flexible format. For example, service could be scheduled for the last working day of every month or every 10,000 units produced. Service intervals can be fixed or flexible and can be easily changed between the two.

Unplanned Maintenance

However well maintenance is planned, a significant amount of time is always consumed by unplanned work. This work may be created by breakdowns of production machines or it may simply be work that, by its nature, cannot be planned, for example a microwave not working in a break room. All unplanned maintenance work starts its life cycle in the 'Request for Maintenance' workbench. Here a user can submit requests for service of any type and track those requests through the process. Users need to know nothing about Asset Management to use this workbench; it is designed to manage requests from the very generic 'lights are flickering in my office' to the Pacific's oil leak on the hydraulics module of asset 124'. Once entered, a Request is immediately visible in a maintenance supervisor's workbench and can be backed up with email notifications if required.

Maintenance Planning

All maintenance requirements, whether planned or unplanned, are visible in a maintenance planners or supervisors workbench. From there, they can refine or reject requests for service based on their knowledge, create the maintenance orders, prioritize them and assign them to the appropriate resource. Where investigation or possibly purchasing will be needed before work can be done, a supervisor can raise a maintenance order, but hold it pending resolution.
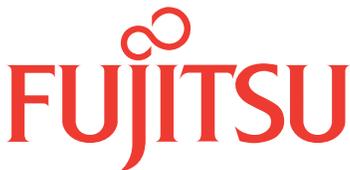
Maintenance Execution

Maintenance resources will see all work assigned to them in their own workbenches, where they are able to view the open maintenance orders, inquire on them and 'accept' them. They are also able to see maintenance orders that are released but unassigned and accept those and they can take work off other resources if needed. Once accepted, they can perform the task assigned using standard functionality found in GLOVIA G2. A shop packet can be printed, materials issued from MRO stores, time booked to the order, etc. By leveraging existing Inventory control, Electronic Kanban replenishment, Purchase Orders, Vouchering and Payments in GLOVIA G2, disparate systems can be eliminated and integrations removed. During the performance of a service, whether planned or unplanned, any items worth recording in detail, for example a specific hydraulic pump motor, will be recorded. This creates a history of not just the overall asset but the replacement history of key components.

Summary

This new fully integrated module leverages many existing components of GLOVIA G2 and builds on those with sophisticated workbenches and new functionality to process maintenance requests and planned maintenance from start to finish.

Asset inquiries and reports show planned and actual expenditure on every asset over time, with historical details of component replacements for detailed analysis. Glovia's Asset Lifecycle Management will add value to your company by enabling you to get your assets under control and become more efficient.

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