



Equipment Base



The qmuzik system offers comprehensive tools to record any equipment that needs to be identified and managed in terms of the equipment definition and structure, its preventative maintenance schedules, maintenance history, physical location, equipment failures and corrective actions.

The functionality thus provides a database of equipment, which can be managed from its initial procurement, installation and commissioning through its lifecycle with user definable statuses and maintenance intervals, complete visibility of the equipment utilisation, future and past maintenance events, warranty details, its exact location, its reference to the asset master where applicable as well as a full audit trail of all changes to its status spanning its useful life and eventual disposition. The equipment base facilitates scheduled and un-scheduled maintenance of the equipment, associated job cards and maintenance orders, maintenance kits and predefined task- and check lists and report back and recording of module or component replacements, reworks, modifications and actual tasks performed including the recording of inspection and measurement results. Tasks can be performed on schedule by internal maintenance personnel or can be subcontracted to external contractors /suppliers. Visual aids, illustrated parts catalogues, operators- and maintenance manuals and supporting documents can be electronically linked to equipment base records.



Qmuzik Equipment base delivers a rich set of special features including:

- **Online Visibility** – Online visibility of the equipment status and definition, detailed status history and related information as well as future- or overdue maintenance schedules and un-attended failure reports.
- **Structured database of equipment** – the ability to structure the equipment in a logical parent component relationship to view a detailed equipment tree- structure and to capture history of any replacements, repairs or modifications to modules or component within in the structure thus obtaining past and present views of the “as-maintained” structure.
- **Installed Equipment Base** – Full tracking of all maintenance events and status changes through-out the complete equipment life cycle from initial procurement until the eventual disposal with optional links to the Asset Master and associated asset take-on and depreciation detail
- **Multiple Denomination Of Life** - Every piece of equipment can have multiple denominations of life in which its usage is measured and equipment is uniquely identified via its serial number and type.
- **Actions for denomination of life** – The actions/tasks that need to be performed based on either the frequency of use or a defined time-span are user definable and include the linking of maintenance kits to such events.
- **Seamless integration with other modules** – The equipment base functionality is seamlessly integrated with the rest of the Qmuzik system and associated supply chain- and inventory management.
- **Integration with Logistical support data** – Visual aids, illustrated parts catalogues, operators- and maintenance manuals and supporting documents can be electronically linked to equipment base records. Multiple supplier catalogues for maintenance spare parts and consumables can also be defined and linked to equipment
- **Maintenance activities** – The Equipment base facilitates scheduled as well as un-scheduled maintenance of the equipment, associated job cards and maintenance orders, maintenance kits and predefined task- and checklists. It facilitates the report back and recording of replacements, reworks, modifications and actual tasks performed.
- **Maintenance Workflow** – Scheduled maintenance activities are workflow enabled with mail prompts to all relevant parties to inform of planned actions. This can result in escalated mail if maintenance actions are not performed timeously. A user friendly workbench gives visibility as to the status of scheduled and un-scheduled maintenance activities and provides extended event enabled functionality to auto-create maintenance orders and to update equipment history with maintenance details.
- **Failure Reporting** – the ability to record failures per equipment ID and serial number with the ability to relate the failures via the structure to specific equipment id on which the failure occurred. Reported failures can also initiate action and workflow and provides on-line visibility of failure status with analysis of mean-time-between-failures and mean-time-to-repair