

LIFECYCLE MANAGER 365 – MANAGING THE EQUIPMENT LIFECYCLE USING THE MICROSOFT 365 PLATFORM

Using complex equipment effectively means having full service work and procedures done in a timely manner all throughout its lifecycle. In order to manage this kind of work, we present our equipment lifecycle management system built on the Microsoft 365 platform.

THE TASK

Integrating and using complex equipment can only be done properly if a wide range of complex engineering tasks is done on time. Moreover, delaying or skipping even a single one of those can lead to serious financial damages for the supplier. At the same time, the supplier's service department needs to plan and execute all the necessary technical work for supporting the equipment on time in order to guarantee that its operability.

BRIEF SYSTEM DESCRIPTION

The Lifecycle Manager 365 system was developed to ensure that the work to integrate and service complex technical equipment is done in a timely matter. It specifically focuses on the kind of equipment where missing the deadlines for service and integration can lead to serious financial damages to both the supplier and the user.

The system lets you create and control a schedule of all the necessary work for purchasing, delivering, installing, start-adjusting, and servicing complex technical equipment for its entire lifecycle. It operates on three levels of hierarchy: the project level, which is the highest level of managing the execution of a contract; the account level, which manages each individual location; and the equipment level, which manages each individual piece of equipment. You can create several locations within the scope of a single project, and each location can host several pieces of equipment. Every new location automatically generates its own project work schedule from a template, including mandatory steps as defined by said project template. This means that when you create a new location for an already existing project, you guarantee the execution of all the necessary steps in the template and avoid skipping steps due to human error. The number of steps within the schedule is not limited.

After you define a start date for the project, the system automatically calculates the appropriate dates in the fields used for reminders at each step. After any given step is complete, an employee checks it off as complete, and, if necessary, adds a new step with a reminder algorithm (the number of days left until the next step is due). This flexible system of reminders about pre-planned events warns employees about approaching deadlines for specific tasks, with regular reminders at 20, 10, 5, 3, and 1 day until the task.



Cloud Power

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The work as planned can be either standard for types of equipment, or unique to the current project. You can also plan resource-intensive work that requires input from specialists, which means that the system will calculate which resources you will need and check the availability of these specialists. The system has access to information about the number of available employees, with the total number defined for all the projects combined. Depending on availability, the field with the necessary resource can be highlighted in a specified color.

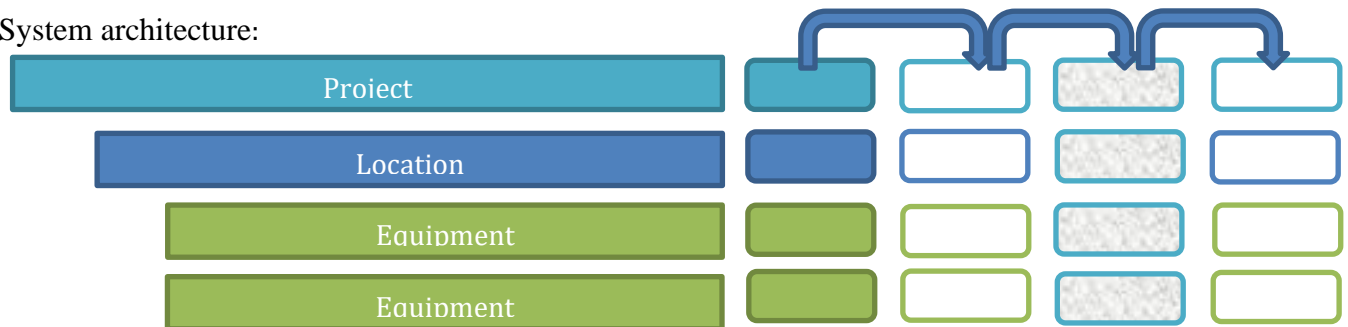
The project information summary displays the latest executed project step, as well as a percentage breakdown of project execution across locations and across the project overall. You can also see all tasks assigned at each location.

Key advantages:

- Creating project templates for each equipment type with typical steps and technical operation cycles, their order, and the time necessary to complete them;
- The ability to add unique operations to project templates;
- Calculating the necessary resources, and controlling the availability of the necessary specialists;
- Managing projects with a breakdown across locations and equipment. Displaying the overall state of project execution across all locations and all equipment: executed and planned steps of the integration/service lifecycle, with the appropriate dates for each location;
- Controlling meeting deadlines for planned steps and sending reminders about the necessary work to be done;
- Downloading the history of project execution in order to solve conflicts;
- 3 levels of access to data: editing, reading, administration. Editing lets you add values to project fields, but doesn't let you add new fields, or change the notification logic.



System architecture:



- Manually added date



- Automatically calculated date



- Number of days until an event that needs a reminder

WHAT CUSTOMERS SAY

“Lifecycle Manager 365 let us to solve the most important problem that exists in every complex project - to draw up a schedule for commissioning and maintaining the supplied equipment, and to manage its implementation. The system let us control work as split by projects, locations and types of equipment, and ensured precise compliance with contractual obligations during both equipment implementation and operation.”



SYSTEM REQUIREMENTS

- ❖ Microsoft 365 with SharePoint Online and Microsoft Teams
- ❖ Web browser or Teams client

SOLUTION SCREENSHOTS

LM

Lifecycle Manager 365

☆ Not following

🔗 Share

Home

Projects

Clinics

Equipments

Templates

Template Steps

Available Resources Count

Holidays

Recycle bin

Edit

+ New

⚙ Page details

Published 11/14/2020

✎ Edit

Projects

See all

+ New

📄 Edit in grid view

🔗 Share

📄 Export to Excel

☰ All Items

🕒

Schedule

Title

Template

Members

Welcome to your new list

Select the New button to get started.

The main page of Lifecycle Manager 365.

LM

Lifecycle Manager 365

☆ Not following

🔗 Share

Home

Projects

Clinics

Equipments

Templates

Template Steps

Available Resources Count

Holidays

Recycle bin

Edit

✎ Edit

📄 Edit in grid view

🔗 Share

🔗 Copy link

🗑 Delete

⚙ Automate

⋮

✖ 1 selected

☰ All Items

🔍

🕒

↗

Clinics

Title

Equipment

+ Add column

Hospital Nº 1

🔗

⋮

IntelliSpace Console Critic

IntelliSpace Discovery

IntelliSpace PACS DCX

Hospital Nº 5

Azurion

CardioMD

IntelliSpace Console Critic

IntelliSpace Discovery

IntelliSpace PACS DCX

Philips eICU

Philips Ingenuia

Philips Ingenuity

Philips Lumify

Hospital Nº 30

🔗

⋮

Azurion

CardioMD

IntelliSpace Console Critic

IntelliSpace Discovery

IntelliSpace PACS DCX

A list of serviced equipment arranged by location.