

Modelo jerárquico para dependencia de fallas en tareas no planificadas

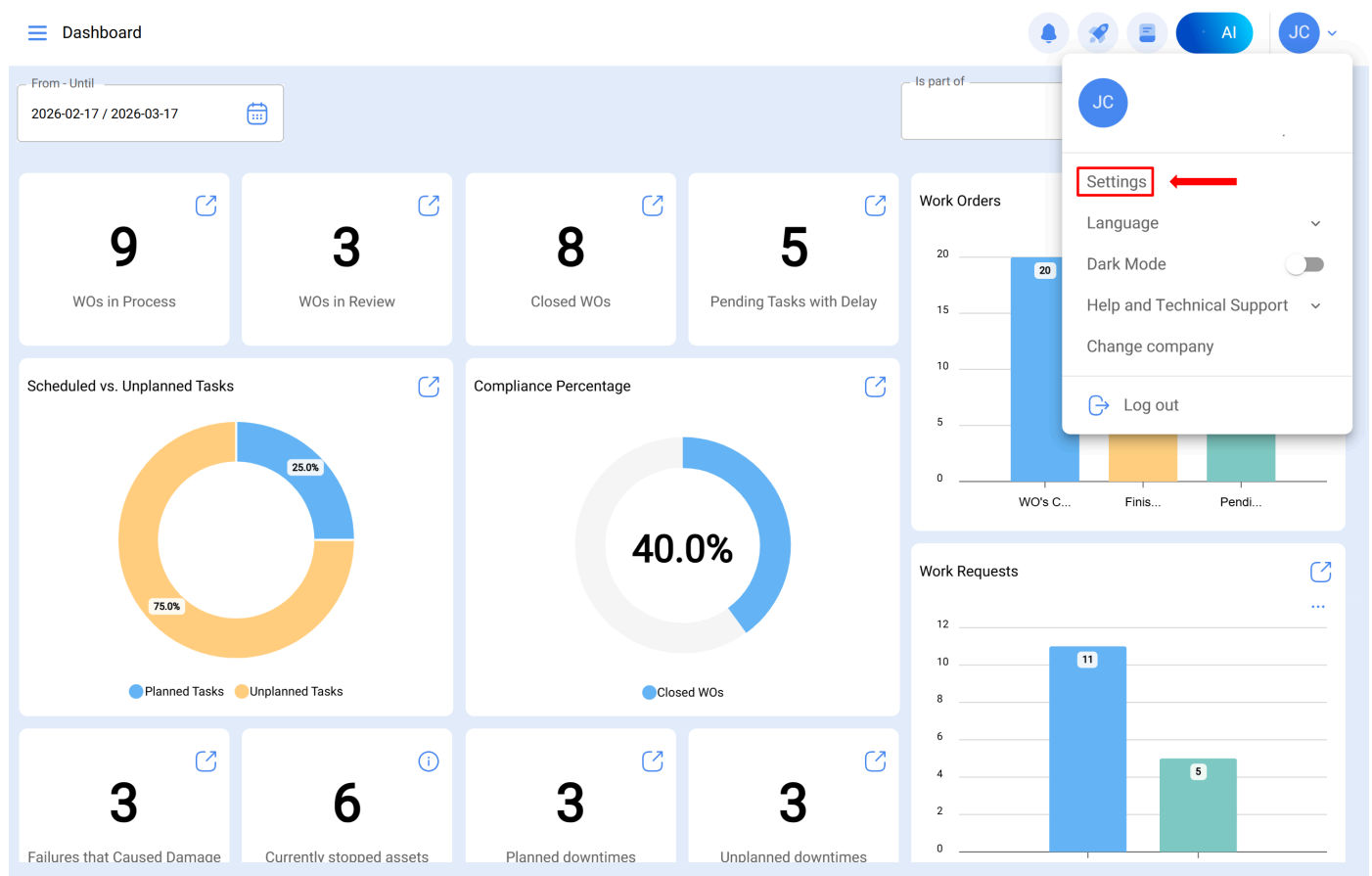
help.fracttal.com/hc/es-es/articles/44354558411661-Modelo-jerárquico-para-dependencia-de-fallas-en-tareas-no-planificadas

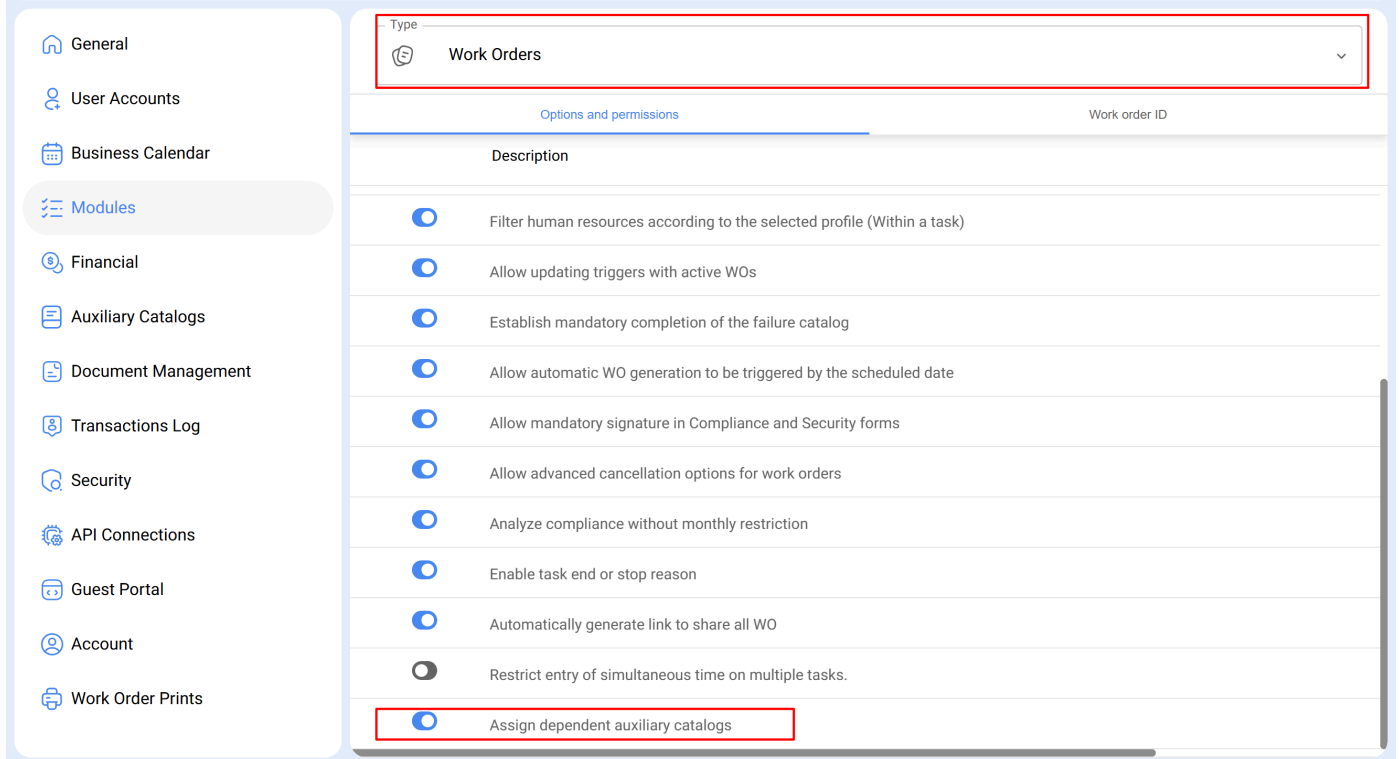
Fractal One usa un modelo jerárquico para registrar fallas en tareas no planificadas, basado en la relación entre tipo de falla y causa, garantizando un registro ordenado y consistente. Al crear una tarea no planificada con falla, el sistema filtra dinámicamente las opciones según las selecciones, mostrando solo causas tipos relacionados, y elimina automáticamente las dependencias si se cambia alguna selección para conservar la coherencia.

Activación de catálogos auxiliares con dependencia

Para utilizar la estructura jerárquica de fallas, es necesario habilitar previamente la opción correspondiente en la configuración de Órdenes de Trabajo.

Configuración → Módulos → Órdenes de Trabajo





The screenshot shows the 'Options and permissions' section for 'Work Orders'. The 'Type' dropdown is set to 'Work Orders'. The 'Options and permissions' section contains a list of settings, with 'Assign dependent auxiliary catalogs' highlighted by a red box.

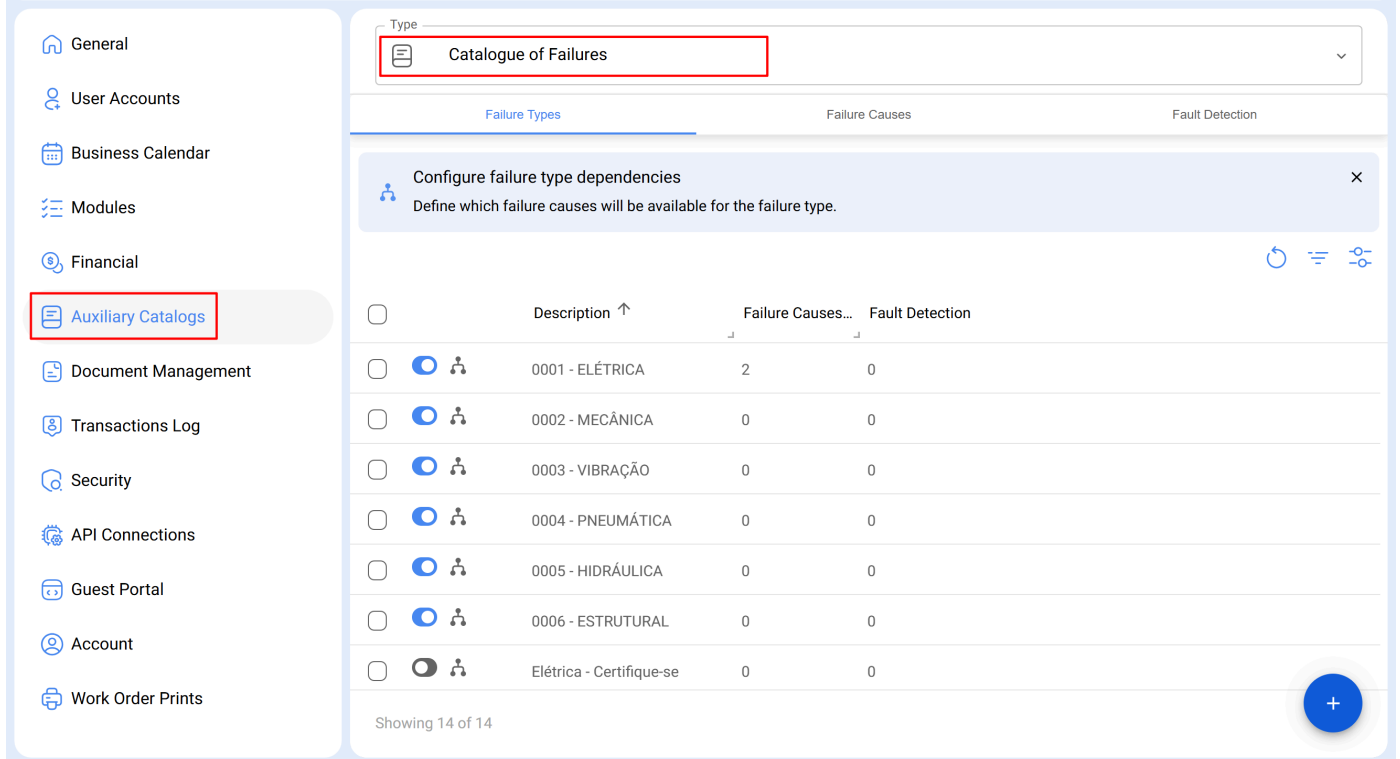
Description	Work order ID
<input checked="" type="checkbox"/> Filter human resources according to the selected profile (Within a task)	
<input checked="" type="checkbox"/> Allow updating triggers with active WOs	
<input checked="" type="checkbox"/> Establish mandatory completion of the failure catalog	
<input checked="" type="checkbox"/> Allow automatic WO generation to be triggered by the scheduled date	
<input checked="" type="checkbox"/> Allow mandatory signature in Compliance and Security forms	
<input checked="" type="checkbox"/> Allow advanced cancellation options for work orders	
<input checked="" type="checkbox"/> Analyze compliance without monthly restriction	
<input checked="" type="checkbox"/> Enable task end or stop reason	
<input checked="" type="checkbox"/> Automatically generate link to share all WO	
<input type="checkbox"/> Restrict entry of simultaneous time on multiple tasks.	
<input checked="" type="checkbox"/> Assign dependent auxiliary catalogs	

Dentro de la sección de opciones y permisos, activar la configuración: **Asignar catálogos auxiliares con dependencia**

Configuración de la jerarquía de fallas

La definición de las relaciones jerárquicas se realiza desde:

Configuración → Catálogos Auxiliares → Catálogos de Falla



The screenshot displays the 'Auxiliary Catalogs' configuration page. The sidebar on the left includes options like General, User Accounts, Business Calendar, Modules, Financial, Auxiliary Catalogs (highlighted), Document Management, Transactions Log, Security, API Connections, Guest Portal, Account, and Work Order Prints. The main content area shows a 'Type' dropdown menu set to 'Catalogue of Failures'. Below this, there are tabs for 'Failure Types', 'Failure Causes', and 'Fault Detection'. A modal window titled 'Configure failure type dependencies' is open, with the instruction 'Define which failure causes will be available for the failure type.' The table below lists various failure types with their descriptions, failure causes, and fault detection counts.

	Description ↑	Failure Causes...	Fault Detection
<input type="checkbox"/>	0001 - ELÉTRICA	2	0
<input type="checkbox"/>	0002 - MECÂNICA	0	0
<input type="checkbox"/>	0003 - VIBRAÇÃO	0	0
<input type="checkbox"/>	0004 - PNEUMÁTICA	0	0
<input type="checkbox"/>	0005 - HIDRÁULICA	0	0
<input type="checkbox"/>	0006 - ESTRUTURAL	0	0
<input type="checkbox"/>	Elétrica - Certifique-se	0	0


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Dentro de esta sección, se disponen dos niveles principales para la configuración de dependencias:

- **Tipos de Falla**
- **Causas de Falla**

Type







Failure Types
 Failure Causes
 Fault Detection


Configure failure type dependencies
×

Define which failure causes will be available for the failure type.





<input type="checkbox"/>	Description ↑	Failure Causes...	Fault Detection
<input type="checkbox"/>	<input checked="" type="radio"/>  0001 - ELÉTRICA	2	0
<input type="checkbox"/>	<input checked="" type="radio"/>  0002 - MECÂNICA	0	0
<input type="checkbox"/>	<input checked="" type="radio"/>  0003 - VIBRAÇÃO	0	0
<input type="checkbox"/>	<input checked="" type="radio"/>  0004 - PNEUMÁTICA	0	0
<input type="checkbox"/>	<input checked="" type="radio"/>  0005 - HIDRÁULICA	0	0
<input type="checkbox"/>	<input checked="" type="radio"/>  0006 - ESTRUTURAL	0	0

Para configurar la jerarquía, se debe realizar el siguiente procedimiento:

1. Seleccionar el ícono (+) para crear un nuevo registro en el catálogo.

The screenshot shows the 'Catalogue of Failures' configuration page. On the left is a sidebar with various settings categories, with 'Auxiliary Catalogs' selected. The main area has a 'Type' dropdown set to 'Catalogue of Failures' and three tabs: 'Failure Types', 'Failure Causes', and 'Fault Detection'. A modal window titled 'Configure failure type dependencies' is open, prompting the user to define which failure causes will be available for the failure type. Below this is a table with columns for 'Description', 'Failure Causes...', and 'Fault Detection'. The table lists several failure types, including '0001 - ELÉTRICA', '0002 - MECÂNICA', '0003 - VIBRAÇÃO', '0004 - PNEUMÁTICA', '0005 - HIDRÁULICA', '0006 - ESTRUTURAL', and 'Elétrica - Certifique-se'. A red box highlights a blue circular button with a white plus sign in the bottom right corner of the table area, indicating the 'Add' button.

	Description ↑	Failure Causes...	Fault Detection
<input type="checkbox"/>	0001 - ELÉTRICA	2	0
<input type="checkbox"/>	0002 - MECÂNICA	0	0
<input type="checkbox"/>	0003 - VIBRAÇÃO	0	0
<input type="checkbox"/>	0004 - PNEUMÁTICA	0	0
<input type="checkbox"/>	0005 - HIDRÁULICA	0	0
<input type="checkbox"/>	0006 - ESTRUTURAL	0	0
<input type="checkbox"/>	Elétrica - Certifique-se	0	0

2. Ingresar una descripción correspondiente al tipo de falla o causa de falla.

The screenshot shows the 'Catalogue of Failures' configuration page with a modal window open for adding a new failure type. The modal window has a 'Description' field containing the text 'MECHANICAL WEAR'. The background shows the same 'Catalogue of Failures' table as in the previous screenshot, but it is dimmed. The modal window also has a back arrow and a checkmark icon in the top right corner.

3. Guardar el registro para que quede disponible en el sistema.

Settings

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Save

General

User Accounts

Business Calendar

Modules

Financial

Auxiliary Catalogs

Document Management

Transactions Log

Security

API Connections

Guest Portal

Account

Work Order Prints

Type
Catalogue of Failures

Failure Types Failure Causes Fault Detection

Configure failure type dependencies
Define which failure causes will be available for the failure type.

<input type="checkbox"/>	Description ↑	Failure Causes...	Fault Detection
<input type="checkbox"/>	MECHANICAL WEAR	0	0
<input type="checkbox"/>	0001 - ELÉTRICA	2	0
<input type="checkbox"/>	0002 - MECÂNICA	0	0
<input type="checkbox"/>	0003 - VIBRAÇÃO	0	0
<input type="checkbox"/>	0004 - PNEUMÁTICA	0	0
<input type="checkbox"/>	0005 - HIDRÁULICA	0	0
<input type="checkbox"/>	0006 - ESTRUTURAL	0	0








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Action Done

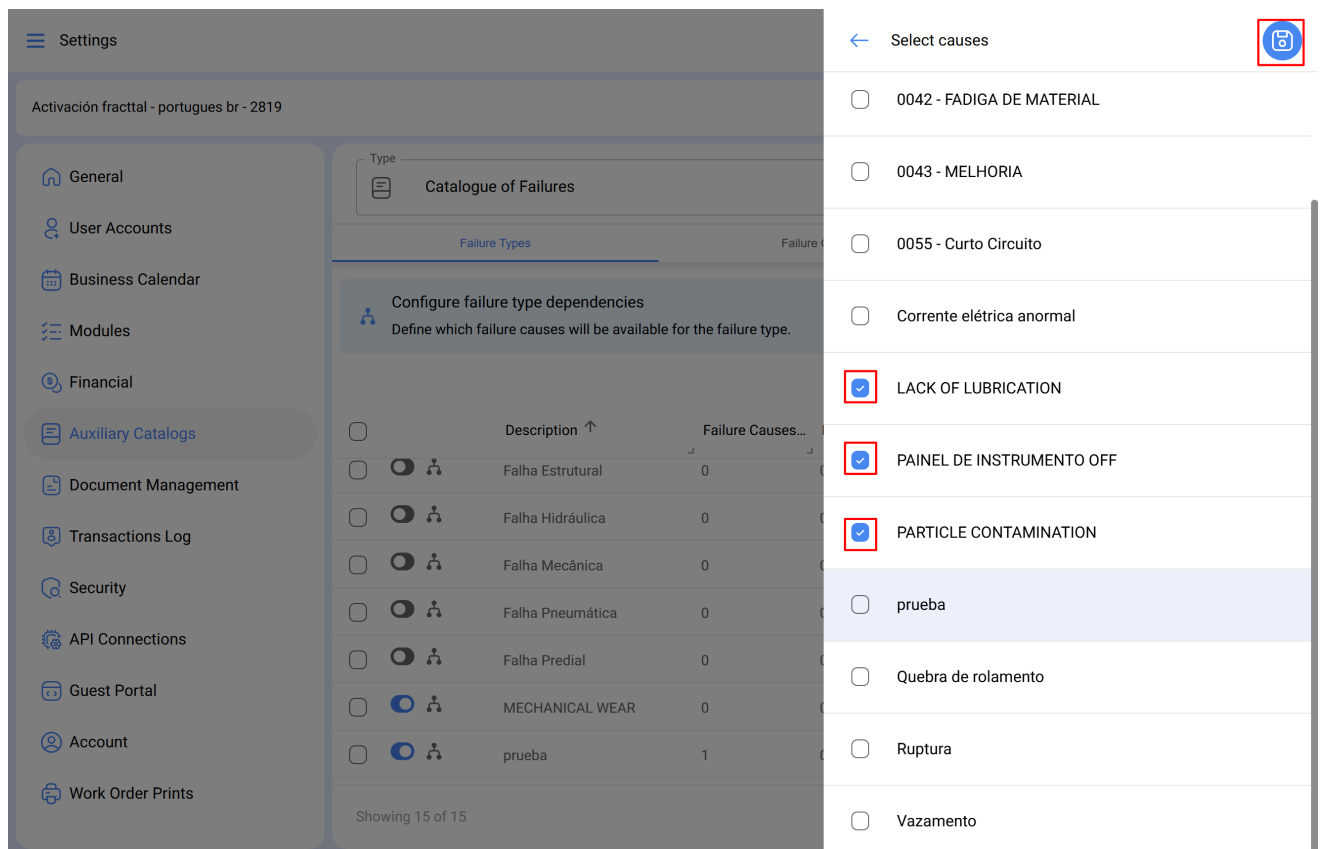
+

Una vez creado el registro, es posible definir sus dependencias jerárquicas:

4. Seleccionar el ícono de jerarquía en el elemento correspondiente.

	Failure Types	Failure Causes	Fault Detection
<p>Configure failure type dependencies Define which failure causes will be available for the failure type.</p>			
<input type="checkbox"/>	Description ↑	Failure Causes...	Fault Detection
<input type="checkbox"/>	<input checked="" type="radio"/>  MECHANICAL WEAR	0	0
<input type="checkbox"/>	<input checked="" type="radio"/>  0001 - ELÉTRICA	2	0
<input type="checkbox"/>	<input checked="" type="radio"/>  0002 - MECÂNICA	0	0
<input type="checkbox"/>	<input checked="" type="radio"/>  0003 - VIBRAÇÃO	0	0
<input type="checkbox"/>	<input checked="" type="radio"/>  0004 - PNEUMÁTICA	0	0
<input type="checkbox"/>	<input checked="" type="radio"/>  0005 - HIDRÁULICA	0	0
<input type="checkbox"/>	<input checked="" type="radio"/>  0006 - ESTRUTURAL	0	0

5. En el caso de **Tipos de Falla**, por favor asocia las causas de falla que quieras relacionar.



Settings

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General

User Accounts

Business Calendar

Modules

Financial

Auxiliary Catalogs

Document Management

Transactions Log

Security

API Connections

Guest Portal

Account








Work Order Prints

Type

Catalogue of Failures

Failure Types

Configure failure type dependencies
Define which failure causes will be available for the failure type.

<input type="checkbox"/>	Description ↑	Failure Causes...	Fault Detection
<input type="checkbox"/>	<input checked="" type="radio"/>  Falha Estrutural	0	0
<input type="checkbox"/>	<input checked="" type="radio"/>  Falha Hidráulica	0	0
<input type="checkbox"/>	<input checked="" type="radio"/>  Falha Mecânica	0	0
<input type="checkbox"/>	<input checked="" type="radio"/>  Falha Pneumática	0	0
<input type="checkbox"/>	<input checked="" type="radio"/>  Falha Predial	0	0
<input type="checkbox"/>	<input checked="" type="radio"/>  MECHANICAL WEAR	0	0
<input type="checkbox"/>	<input checked="" type="radio"/>  prueba	1	0

Select causes

- 0042 - FADIGA DE MATERIAL
- 0043 - MELHORIA
- 0055 - Curto Circuito
- Corrente elétrica anormal
- LACK OF LUBRICATION
- PAINEL DE INSTRUMENTO OFF
- PARTICLE CONTAMINATION
- prueba
- Quebra de rolamento
- Ruptura
- Vazamento

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6. En el caso de **Causas de Falla**, asociar los métodos de detección correspondientes.

7. Guarda la configuración para aplicar las relaciones definidas.

Activación fractal - portugues br - 2819

Settings

Save

General

User Accounts

Business Calendar

Modules

Financial

Auxiliary Catalogs

Document Management

Transactions Log

Security

API Connections

Guest Portal

Account

Work Order Prints

Type

Catalogue of Failures

Failure Types

Failure Causes

Fault Detection

Configure failure type dependencies

Define which failure causes will be available for the failure type.

	Description ↑	Failure Causes...	Fault Detection
<input type="checkbox"/>	MECHANICAL WEAR	3	0

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Al completar este proceso, el sistema registra correctamente la estructura jerárquica, permitiendo su utilización en el flujo operativo de registro de fallas.

Registro de información de fallas en tareas

Durante la creación o edición de una tarea no planificada marcada como falla:

1. Selecciona el tipo de fallo correspondiente durante el llenado de la tarea en la opción "información de fallas" y marca "¿falló el activo?".

Fractal Br - Jonas { 002811-jc }

Task Sub Tasks Resources Attachments

Trigger

Non Scheduled Tasks

Event date
2025-12-18 11:38

Failures Information

Has the asset failed?

Fault Type Fault Type can't be blank

Failures Causes Fault Cause can't be blank

Fault Detection Method Fault Detection Method can't be blank

2. Selecciona el tipo de falla correspondiente.

Work Order

Jonas Campos

2026-03-05 00:10

00:00

Note

Work Management

Fractal Br - Jonas { 002811-jc }

Solicitação de revisão de equipamento

Priority: Medium

Task type: 02 - Preventiva

Group 1:

Group 2:

Work Request Num... 291

Actual Schedule Dat... 2026-03-05

Estimated Duration: 00:10:00

RESOURCES 0 | ATTACHMENTS 0

Fault Type

MECHANICAL WEAR

Showing 1 of 1

3. Selecciona la causa de la falla según corresponda.

The screenshot shows two panels. The left panel is titled 'Work Order' and displays details for a task assigned to 'Jonas Campos' on '2026-03-05' with an estimated duration of '00:10'. The task is 'Solicitação de revisão de equipamento' with a priority of 'Medium' and a task type of '02 - Preventiva'. The right panel is titled 'Failures Causes' and lists three options: 'LACK OF LUBRICATION', 'PAINEL DE INSTRUMENTO OFF', and 'PARTICLE CONTAMINATION'. At the bottom right, there is a 'Showing 3 of 3' indicator and a blue circular button with a white plus sign.

* El sistema mostrará únicamente las causas asociadas a ese tipo *

The screenshot shows two panels. The left panel is titled 'Work Order' and displays details for a task assigned to 'Jonas Campos' on '2026-03-05' with an estimated duration of '00:10'. The task is 'Solicitação de revisão de equipamento' with a priority of 'Medium' and a task type of '02 - Preventiva'. The right panel is titled 'Fractal Br - Jonas { 002811-jc }' and shows a form for 'Trigger' with the following fields: 'Event date' (2025-12-18 11:38), 'Failures Information' (checked 'Has the asset failed?'), 'Fault Type' (MECHANICAL WEAR), 'Failures Causes' (PARTICLE CONTAMINATION), 'Fault Detection Method' (empty, with a red border and error message 'Fault Detection Method can't be blank'), 'Fault Severity' (Undefined severity), and 'Type of damage' (None). At the bottom, there are 'Start' and 'Log' buttons.

Este comportamiento responde a un filtrado dinámico, que guía al usuario en el registro y evita combinaciones no válidas.