

# Modèle hiérarchique pour la dépendance des pannes dans les tâches non planifiées

[help.fractal.com/hc/fr/articles/44354558411661-Modèle-hiérarchique-pour-la-dépendance-des-pannes-dans-les-tâches-non-planifiées](https://help.fractal.com/hc/fr/articles/44354558411661-Modèle-hiérarchique-pour-la-dépendance-des-pannes-dans-les-tâches-non-planifiées)

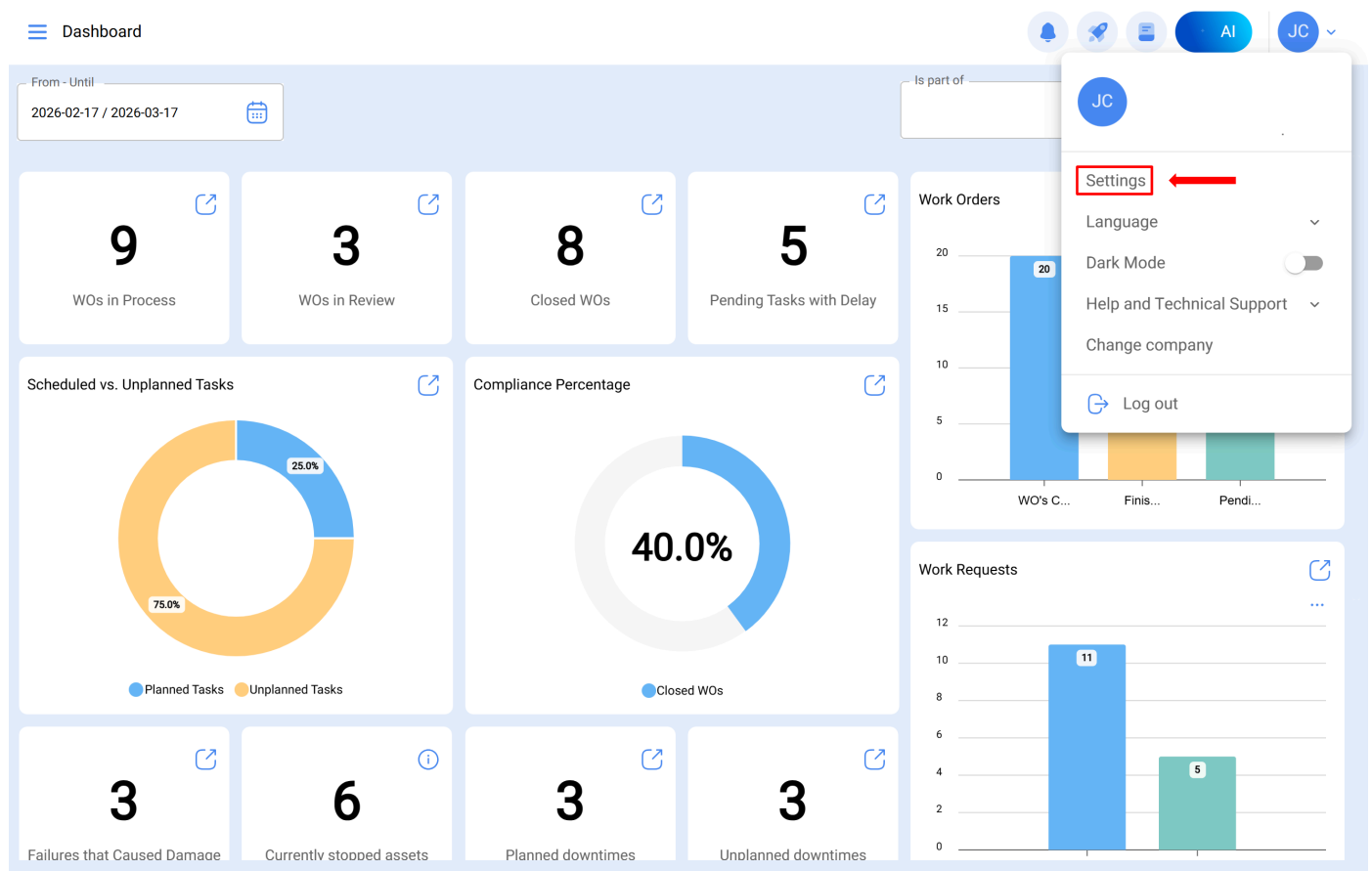
Fractal One utilise un modèle hiérarchique pour enregistrer les pannes dans les tâches non planifiées, basé sur la relation entre le type de panne et la cause, garantissant un enregistrement ordonné et cohérent.

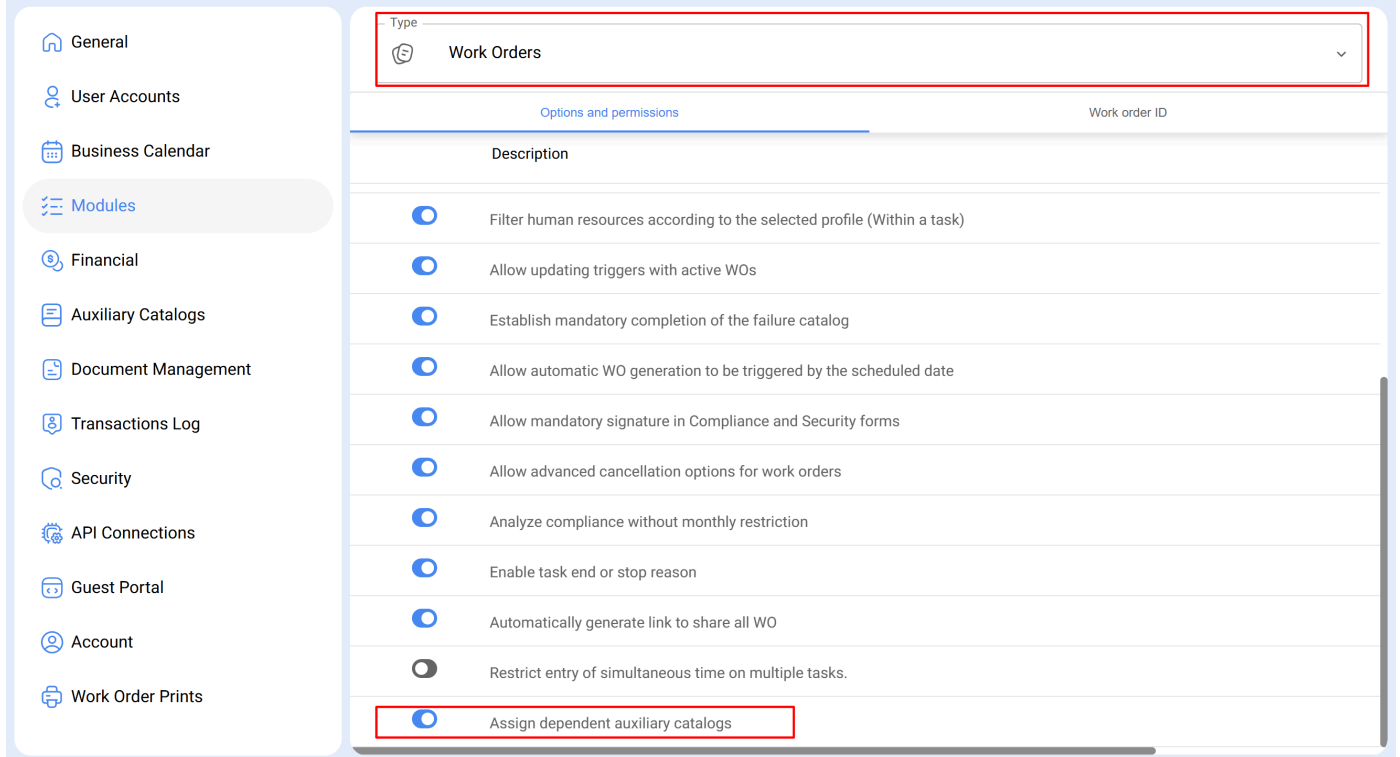
Lors de la création d'une tâche non planifiée avec panne, le système filtre dynamiquement les options selon les sélections, affichant uniquement les causes liées aux types, et supprime automatiquement les dépendances si une sélection est modifiée afin de conserver la cohérence.

## Activation des catalogues auxiliaires avec dépendance

Pour utiliser la structure hiérarchique des pannes, il est nécessaire d'activer préalablement l'option correspondante dans la configuration des Ordres de Travail.

### Configuration → Modules → Ordres de Travail





The screenshot shows the 'Work Orders' configuration page. The 'Type' dropdown is set to 'Work Orders'. The 'Options and permissions' section is active, showing a list of configuration options. The 'Assign dependent auxiliary catalogs' option is checked and highlighted with 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	

Dans la section des options et permissions, activer la configuration : **Attribuer des catalogues auxiliaires avec dépendance**

## Configuration de la hiérarchie des pannes

La définition des relations hiérarchiques se réalise depuis :

**Configuration → Catalogues Auxiliaires → Catalogues de Panne**

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"/>	<input checked="" type="checkbox"/> 0001 - ELÉTRICA	2	0
<input type="checkbox"/>	<input checked="" type="checkbox"/> 0002 - MECÂNICA	0	0
<input type="checkbox"/>	<input checked="" type="checkbox"/> 0003 - VIBRAÇÃO	0	0
<input type="checkbox"/>	<input checked="" type="checkbox"/> 0004 - PNEUMÁTICA	0	0
<input type="checkbox"/>	<input checked="" type="checkbox"/> 0005 - HIDRÁULICA	0	0
<input type="checkbox"/>	<input checked="" type="checkbox"/> 0006 - ESTRUTURAL	0	0
<input type="checkbox"/>	<input type="checkbox"/> Elétrica - Certifique-se	0	0

Showing 14 of 14

Dans cette section, deux niveaux principaux sont disponibles pour la configuration des dépendances :

- **Types de Panne**
- **Causes de Panne**

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Management

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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"/>	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

Pour configurer la hiérarchie, la procédure suivante doit être effectuée :

1. Sélectionner l'icône (+) pour créer un nouvel enregistrement dans le catalogue.

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, with the instruction '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 blue circular button with a white plus sign is highlighted with a red box in the bottom right corner of the table area.

	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. Entrer une description correspondant au type de panne ou à la cause de panne.

The screenshot shows the 'Catalogue of Failures' configuration page with a modal window open for adding a new entry. The modal window has a 'Description' field containing the text 'MECHANICAL WEAR'. The background shows the same 'Catalogue of Failures' configuration page as in the first screenshot, but it is dimmed.

### 3. Enregistrer l'enregistrement pour qu'il soit disponible dans le système.

Settings

Activación fracttal - portugues br - 2819

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








Showing 15 of 15

Action Done

+

Une fois l'enregistrement créé, il est possible de définir ses dépendances hiérarchiques :

4. Sélectionner l'icône de hiérarchie sur l'élément correspondant.

	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. Dans le cas des **Types de Panne**, veuillez associer les causes de panne que vous souhaitez relier.

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...
<input type="checkbox"/>	<input checked="" type="radio"/>  Falha Estrutural	0
<input type="checkbox"/>	<input checked="" type="radio"/>  Falha Hidráulica	0
<input type="checkbox"/>	<input checked="" type="radio"/>  Falha Mecânica	0
<input type="checkbox"/>	<input checked="" type="radio"/>  Falha Pneumática	0
<input type="checkbox"/>	<input checked="" type="radio"/>  Falha Predial	0
<input type="checkbox"/>	<input checked="" type="radio"/>  MECHANICAL WEAR	0
<input type="checkbox"/>	<input checked="" type="radio"/>  prueba	1

Showing 15 of 15

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

6. Dans le cas des **Causes de Panne**, associer les méthodes de détection correspondantes.

7. Enregistrer la configuration pour appliquer les relations définies.

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Settings

Save

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 checked="" type="checkbox"/>	MECHANICAL WEAR	3	0

Showing 1 of 1

Une fois ce processus terminé, le système enregistre correctement la structure hiérarchique, permettant son utilisation dans le flux opérationnel d'enregistrement des pannes.

## Enregistrement des informations de panne dans les tâches

Lors de la création ou de la modification d'une tâche non planifiée marquée comme panne :

1. Sélectionnez le type de panne correspondant lors du remplissage de la tâche dans l'option "informations sur les pannes" et cochez "l'actif a-t-il échoué ?".

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. Sélectionnez le type de panne correspondant.

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. Sélectionnez la cause de la panne selon le cas.

The screenshot shows two side-by-side panels. The left panel is titled 'Work Order' and displays details for a work order created by Jonas Campos on 2026-03-05 at 00:10. It includes a 'Note' field, a 'Work Management' section, and a 'Solicitação de revisão de equipamento' (Equipment Review Request) section with fields for Priority (Medium), Task type (02 - Preventiva), Group 1, Group 2, Work Request Num... (291), Actual Schedule Dat... (2026-03-05), and Estimated Duration (00:10:00). The right panel is titled 'Failures Causes' and shows a list of three causes: 'LACK OF LUBRICATION', 'PAINEL DE INSTRUMENTO OFF', and 'PARTICLE CONTAMINATION'. At the bottom of the right panel, it says 'Showing 3 of 3' and has a blue '+' button.

\* Le système affichera uniquement les causes associées à ce type \*

The screenshot shows the 'Fractal Br - Jonas { 002811-jc }' failure form. The left panel is a faded version of the 'Work Order' details from the previous screenshot. The right panel is the main form for the failure, titled 'Fractal Br - Jonas { 002811-jc }'. It has a navigation bar with 'Task', 'Sub Tasks', 'Resources', and 'Attachments'. The 'Trigger' section shows 'Non Scheduled Tasks' with an 'Event date' of '2025-12-18 11:38'. The 'Failures Information' section includes a checked checkbox 'Has the asset failed?'. Below this are dropdown menus for '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.

Ce comportement correspond à un filtrage dynamique, qui guide l'utilisateur dans l'enregistrement et évite les combinaisons non valides.