

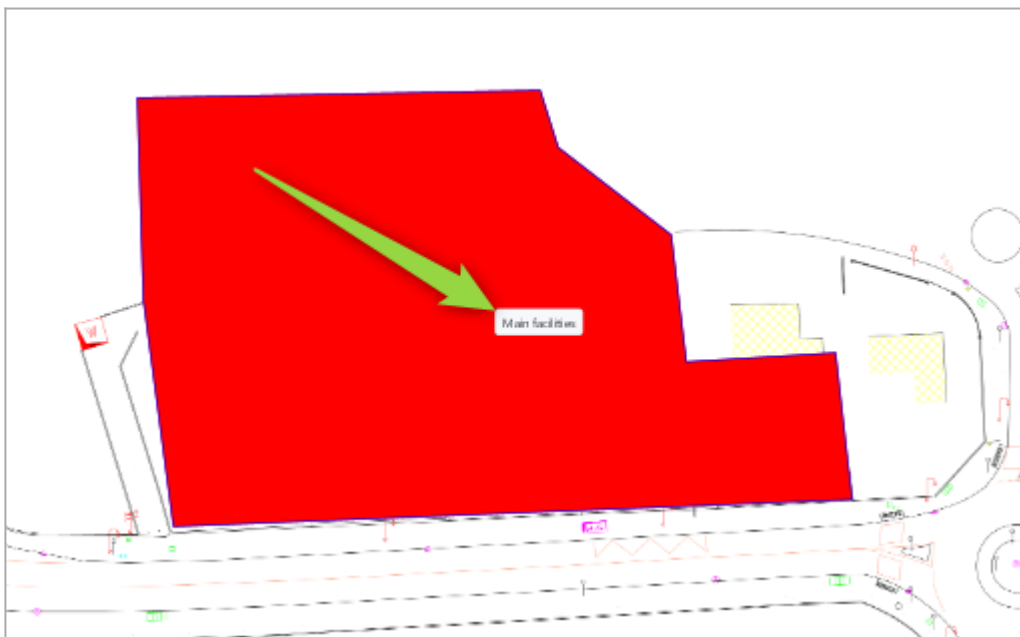
Tasks management

Create phasing

Adding tasks

Simple addition of a task directly to an area

Click on the area label (here “Main facilities”) :



The following window pops up:

Area

Representation
Spread
Properties

General

ID: Wall
Name: Wall
Category:
Parent: Areas list

Related Activities

Tasks	Execution	Fu...	Re...	Start di...	End dist...	Icon	Profiles	Ri...	Length ...	Length ...	Im...	Impact type	Delete
Reinforced c...				0.0	0.0		None		0.0	0.0			
				0.0	0.0		None		0.0	0.0			

Select the activity you want to associate:

Tasks

Tasks	Execution	Fu...	Re...	Start di...	End dist...	Icon	Profiles	Ri...	Length ...	Length ...	Im...	Impact type	Delete
Reinforced c...				0.0	0.0		None		0.0	0.0			
				0.0	0.0		None		0.0	0.0			

Context Menu:

- Installation and signaling
- Sidewalks demolition
- paving milling and asphalt recycling
- Road widening + drainage
- Coating and backfilling excavations
- Sidewalks and cobblestone installation
- Topsil levelling
- Pavement milling
- Subgrade layer
- Base layer
- Sidewalks coating
- Signaling
- Sidewalks demolition

Left Panel:

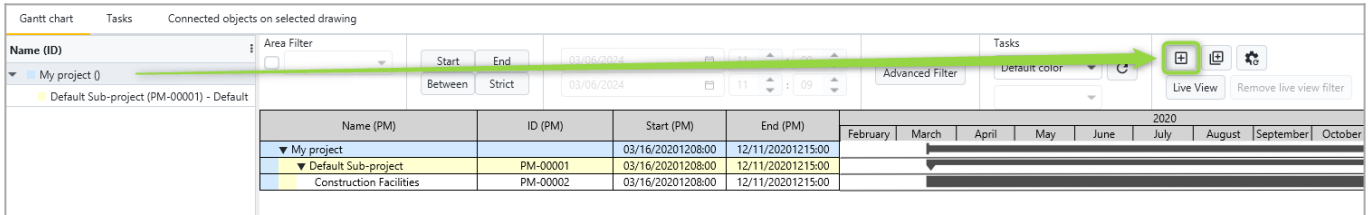
- Demo project >
- Default Sub-project >
- Phase 1: North Roundabout >
- Phase 2: 1/4 ROUNDABOUT East >
- Phase 3: 1/4 ROUNDABOUT West >
- Phase 3b: ROUNDABOUT Central Platform >
- Phase 4: Road - North Lane >
- Phase 5: Road - South Lane >
- Phase 6: Final Paving >

To link an activity, you can drag an activity into the table or create a new one.

Your task is now associated with the area.

Creation of summary tasks

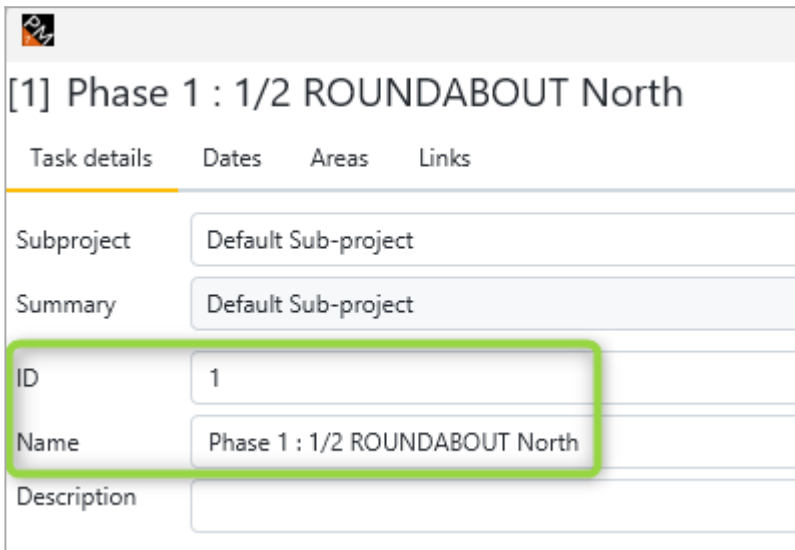
To create a summary task, click on the Project in the left panel explorer of the Gantt chart, then click on the "Add a task" button:



The screenshot shows the 'Gantt chart' tab selected. In the top right corner, there are buttons for 'Live View' and 'Remove live view filter'. A green arrow points to the 'Live View' button.

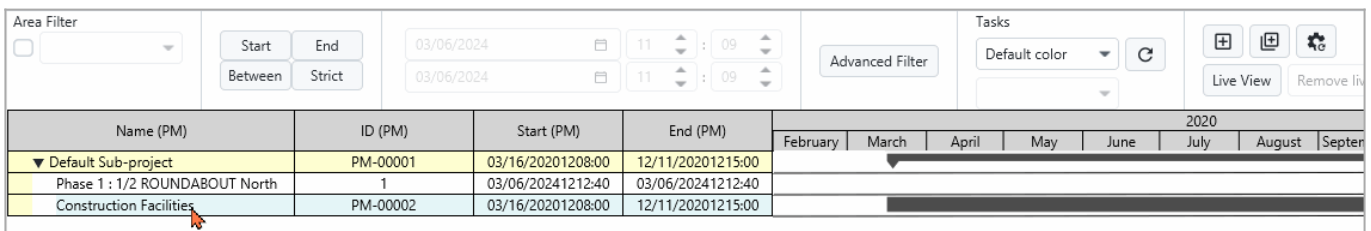
In this example we'll create the following summary task:

- name: "Phase 1 : 1/2 ROUNDABOUT North"
- ID: '1'



The screenshot shows the 'Task details' tab for the task '[1] Phase 1 : 1/2 ROUNDABOUT North'. The 'ID' field is highlighted with a green box and contains the value '1'. The 'Name' field contains 'Phase 1 : 1/2 ROUNDABOUT North'.

After clicking on OK, you can see in the Gantt chart that the task has been created, but as a simple task. To turn it into a summary task, simply drag and drop a child task into it. Here we'll do it with the "Construction facilities" task:



The screenshot shows the 'Gantt chart' tab. The task list at the bottom shows the following tasks:

Name (PM)	ID (PM)	Start (PM)	End (PM)
▼ Default Sub-project	PM-00001	03/16/2020 12:08:00	12/11/2020 12:15:00
Phase 1 : 1/2 ROUNDABOUT North	1	03/06/2024 12:40	03/06/2024 12:40
Construction Facilities	PM-00002	03/16/2020 12:08:00	12/11/2020 12:15:00

The 'Construction Facilities' task is highlighted with a green box.

Batch import of tasks

With Phase Manager, it is possible to create your tasks directly or to import them from an XLS file through the clip-board.

How to import tasks

Open the file to be imported (in this case Demo Project V5.xlsx), then select and copy into the clipboard all tasks data **header included**:

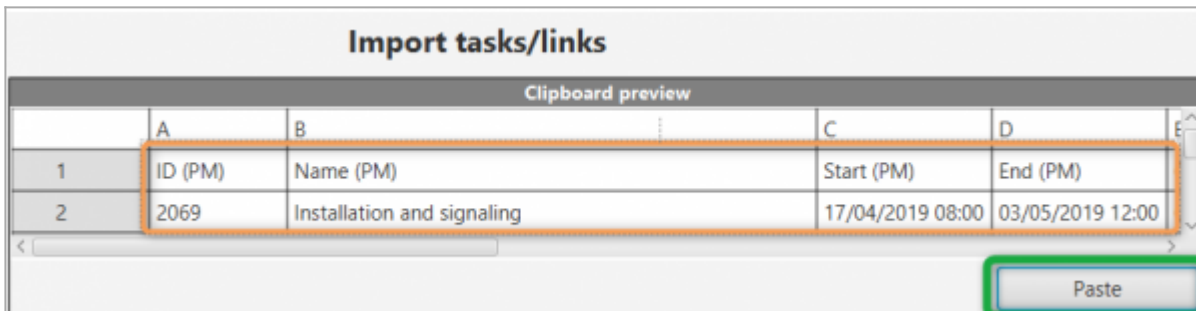
ID	Parent	Name	Start	End	Calendar	Area	Impact	Impact type	Task Template
2	PM-00001	Phase 2 : 1/4 ROUNDABOUT East							
3	PM-00001	Phase 3 : 1/4 ROUNDABOUT West							
31	PM-00001	Phase 3b : ROUNDABOUT Central Platform							
4	PM-00001	Phase 4 : Road - North Lane							
5	PM-00001	Phase 5 : Road - South Lane							
6	PM-00001	Phase 6 : Final Paving							
2069	1	Installation and signaling	17/04/2019 08:00	03/05/2019 12:00	5 days 8 hours calendar	Roundabout North			Signalisation
2097	1	Sidewalks demolition	22/05/2019 08:00	24/05/2019 15:00	5 days 8 hours calendar	Roundabout North : Sidewalks 1			Bordures
2125	1	paving milling and asphalt recycling	25/05/2019 08:00	29/05/2019 15:00	5 days 8 hours calendar	Roundabout North : Sidewalks 1			Revêtements
2153	1	Road widening + drainage	30/05/2019 08:00	01/06/2019 15:00	5 days 8 hours calendar	Roundabout North : Sidewalks 1			Chaussée et canalisations
2181	1	Coating and backfilling excavations	05/06/2019 08:00	07/06/2019 15:00	5 days 8 hours calendar	Roundabout North : Sidewalks 1			Réseaux, remblayages et structure
2209	1	Sidewalks and cobblestone installation	08/06/2019 08:00	08/06/2019 15:00	5 days 8 hours calendar	Roundabout North : Sidewalks 1			Bordures et pavés
2237	1	Topsoil levelling	11/06/2019 16:00	11/06/2019 16:00	5 days 8 hours calendar	Roundabout North : Sidewalks 1			Terre végétale
2265	1	Pavement milling	12/06/2019 08:00	13/06/2019 15:00	5 days 8 hours calendar	Roundabout North			Fraisage
2293	1	Subgrade layer	14/06/2019 08:00	15/06/2019 15:00	5 days 8 hours calendar	Roundabout North			Planie
2321	1	Base layer	19/06/2019 08:00	22/06/2019 09:55	5 days 8 hours calendar	Roundabout North			Couche roulement récap jour
2349	1	Sidewalks coating	22/06/2019 09:55	22/06/2019 14:10	5 days 8 hours calendar	Roundabout North : Sidewalks 1			Revêtements
2377	1	Signaling	22/06/2019 14:10	22/06/2019 15:00	5 days 8 hours calendar	Roundabout North			Signalisation
2405	3	Sidewalks demolition	26/07/2019 08:00	27/07/2019 15:00	5 days 8 hours calendar	Roundabout West : Sidewalks			Bordures
2433	3	Installation and signaling	24/07/2019 08:00	25/07/2019 15:00	5 days 8 hours calendar	Roundabout West			Signalisation
2461	3	Signaling	22/08/2019 08:08	22/08/2019 12:23	5 days 8 hours calendar	Roundabout West			Signalisation
2489	3	paving milling and asphalt recycling	31/07/2019 08:00	31/07/2019 15:00	5 days 8 hours calendar	Roundabout West : Sidewalks			Revêtements
2517	3	Road widening + drainage	01/08/2019 08:00	03/08/2019 14:22	5 days 8 hours calendar	Roundabout West : Sidewalks			Chaussée et canalisations
2545	3	Coating and backfilling excavations	07/08/2019 08:00	08/08/2019 14:22	5 days 8 hours calendar	Roundabout West : Sidewalks			Réseaux, remblayages et structure
2573	3	Sidewalks and cobblestone installation	08/08/2019 14:22	09/08/2019 14:22	5 days 8 hours calendar	Roundabout West : Sidewalks			Bordures et pavés

Explanations:

- 1/ The summary tasks are imported first (IDs 2 → 6)
- 2/ Each task is referred to a summary task, via the "Parent" column.
- 3/ Each task must have a parent: in the absence of a summary task, the subproject (here PM-00001) is then mentioned, which is therefore here the parent of the summary tasks.

Go to the menu **Options > Import tasks/links**.

In the import window that opens, insert the data from the clipboard by clicking on the **Paste** button:



Import tasks/links

Clipboard preview

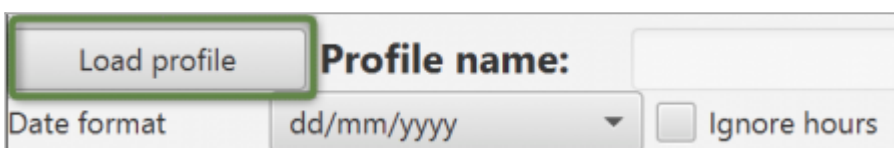
	A	B	C	D	E
1	ID (PM)	Name (PM)	Start (PM)	End (PM)	
2	2069	Installation and signaling	17/04/2019 08:00	03/05/2019 12:00	

Paste

The preview area shows you that the data has been read from the clipboard. You can then assign each column to a Phase Manager field, either manually or by importing an existing exchange profile.

Here we'll load the profile Import ProfileEN.pmx (delivered with your installation).

Click on the **Load profile** button:



Load profile **Profile name:**

Date format dd/mm/yyyy ☐ Ignore hours

Then browse your hard drive for the exchange profile and click on **Open**.

Then check that the display is as follow:

Profile name:

✔ Column name is in my clipboard selection.


Date format
☐ Ignore hours

Tasks				
<input checked="" type="checkbox"/> Import tasks				
ID	<input type="text" value="ID"/>	Progress	<input type="button" value="Ignore"/>	
Parent ID	<input type="text" value="Parent"/>	Description	<input type="button" value="Ignore"/>	
Name	<input type="text" value="Name"/>	Quantity	<input type="button" value="Ignore"/>	
Calendar	<input type="text" value="Calendar"/>	Quantity unit	<input type="button" value="Ignore"/>	
Start date	<input type="text" value="Start"/>	Workrate	<input type="button" value="Ignore"/>	
End date	<input type="text" value="End"/>	Time unit	<input type="button" value="Ignore"/>	

Additionnal fields

Name	Value	Impact	Impact type	Execution
Area-1	<input type="text" value="Area"/>	<input type="text" value="Ignore"/>	<input type="text" value="Ignore"/>	
Default task ...	<input type="text" value="Task Template"/>			

You see that the fields from you data set have been correctly assigned to the corresponding Phase Manager fields; you can click on the **Import** button at the bottom right of the window and then confirm the import :

 Do you want to import tasks?

Confirmation

Do you want to import tasks?

Note on the warning window:

A window tells you that some fields have not been imported: this is informative, and concerns the empty

fields "Area" and "Dates" for the summary tasks; Area having no meaning, and Dates are inherited from its child tasks:

Avertissements !

The values of the following fields have not been imported:

[1,G] [Warning]	Incorrect zone value, value ignored.
[2,G] [Warning]	Incorrect zone value, value ignored.
[3,G] [Warning]	Incorrect zone value, value ignored.
[4,G] [Warning]	Incorrect zone value, value ignored.
[5,G] [Warning]	Incorrect zone value, value ignored.
[6,G] [Warning]	Incorrect zone value, value ignored.
[1,F] [Warning]	Calendar is empty. Default value: (default calendar)
[1,D] [Warning]	Start date is empty or invalid. Default value: (today's date)
[1,E] [Warning]	End date is empty or invalid. Default value: (today's date)
[2,F] [Warning]	Calendar is empty. Default value: (default calendar)
[2,D] [Warning]	Start date is empty or invalid. Default value: (today's date)
[2,E] [Warning]	End date is empty or invalid. Default value: (today's date)
[3,F] [Warning]	Calendar is empty. Default value: (default calendar)
[3,D] [Warning]	Start date is empty or invalid. Default value: (today's date)
[3,E] [Warning]	End date is empty or invalid. Default value: (today's date)
[4,F] [Warning]	Calendar is empty. Default value: (default calendar)
[4,D] [Warning]	Start date is empty or invalid. Default value: (today's date)
[4,E] [Warning]	End date is empty or invalid. Default value: (today's date)
[5,F] [Warning]	Calendar is empty. Default value: (default calendar)
[5,D] [Warning]	Start date is empty or invalid. Default value: (today's date)
[5,E] [Warning]	End date is empty or invalid. Default value: (today's date)
[6,F] [Warning]	Calendar is empty. Default value: (default calendar)
[6,D] [Warning]	Start date is empty or invalid. Default value: (today's date)
[6,E] [Warning]	End date is empty or invalid. Default value: (today's date)

After closing the import window, you can see that tasks have been imported, and that the WBS matching our imported phases has been created:

Gantt chart Tasks Connected objects on selected drawing							
Name (ID)		Area Filter		Start		End	
▼ My project ()		<input type="checkbox"/> <input type="text"/>		<input type="text" value="03/06/2024"/>		<input type="text" value="03/06/2024"/>	
▼ Default Sub-project (PM-00001) - Default				<input type="text" value="Start"/>		<input type="text" value="End"/>	
				<input type="text" value="Between"/>		<input type="text" value="Strict"/>	
Phase 1 : 1/2 ROUNDABOUT North (1)		Name (PM)		ID (PM)		Start (PM)	
Phase 2 : 1/4 ROUNDABOUT East (2)		▼ Default Sub-project		PM-00001		04/17/20191208:00	
Phase 3 : 1/4 ROUNDABOUT West (3)		▶ Phase 1 : 1/2 ROUNDABOUT North		1		04/17/20191208:00	
Phase 3b : ROUNDABOUT Central Platform (31)		▶ Phase 2 : 1/4 ROUNDABOUT East		2		06/26/20191208:00	
Phase 4 : Road - North Lane (4)		▶ Phase 3 : 1/4 ROUNDABOUT West		3		07/24/20191208:00	
Phase 5 : Road - South Lane (5)		▼ Phase 3b : ROUNDABOUT Central Platform		31		08/26/20191208:00	
Phase 6 : Final Paving (6)		Roundabout central platform installation (e...		7798		08/26/20191208:00	
		▼ Phase 4 : Road - North Lane		4		09/20/20191208:00	
		Base layer		3105		11/15/20191208:00	

Areas & axes import

You can import your areas and axes. Click on the button Areas in the Import interface

Profile name:

Date format
☐ Ignore hours
 ☐ Clipboard contains column headings

Activités **Zones**

☒ Importer des zones

Parent

Nom de la zone

Type

Catégorie

Multizone, impact, right-of-way (RoW) and execution mode

Phase Manager enables extensive management of the RoW and impact of tasks. The example below illustrates those new functionalities by creating a daily sequential book.

The task 'RT V1 20+200 - 20+700' below is associated with two areas or axis, namely V1 and V2 :

Task details Dates Areas Other options Links								
Area	Execution	Full axis	Start dist...	End distance	Right-of...	Lengh Bef...	Lengh A...	Impact
V1	Mobile ▾	<input type="checkbox"/>	20.2	20.7	<input checked="" type="checkbox"/>	0.1	0.1	<input type="checkbox"/>
V2	Fixe ▾	<input type="checkbox"/>	20.2	20.7	<input type="checkbox"/>	0.0	0.0	<input checked="" type="checkbox"/>
Ajouter... ▾	▾	<input type="checkbox"/>	0.0	0.0	<input type="checkbox"/>	0.0	0.0	<input type="checkbox"/>

Here are the details of the settings:

V2 axis :

- 'Impact : checked' → the axis is impacted by the task throughout its duration, even if it does not take place there → this impact will be materialized on our deliverable.
- 'Full axis vs KPs : Start and End distance are set' → the impact will only concern a part of the axis (between the distance points set).
- 'Execution : Fixe' → the impact is permanent on the entire segment of the axis throughout the duration of the task.

V1 axis :

- 'Execution : Mobile' → the segment occupied on the axis by the task will move (as it lasts 3 days, we will be able to see this progression on the 3 successive pages of the sequential book).
- 'Lenght Before / After : 0.1' → the task will have a 100 m right-of-way before and after the work (this right-of-way will also be displayed on the deliverables).
- 'Full axis vs KPs : Start and End distance are set' → the task takes place on the specified axis portion..

On the first two daily pages of the considered 3-day sequence, we can visualize:

- in yellow: the impact on axis V2
- in red: the task that is progressing on axis V1
- in grey: the Right-of-way of the task on axis V1

Day 1 :



Day 2 :

