



Many companies invest heavily in Plant & Equipment, so it naturally follows that having spent all that money, they will want to maximise the equipment’s use as efficiently as possible.

Sometimes though, keeping track of everything can be a bit like herding chickens, especially if you have a large inventory of equipment across multiple projects.

Helpfully, Project can take the pain out of running this process and make life far easier for everyone by using Resource Pooling. A resource pool is a special Project file created specifically to contain only a list of common resources that are available for use across multiple Projects.

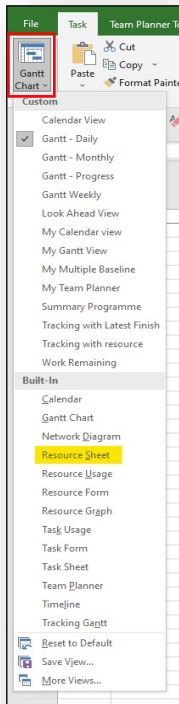
It uses only the Resource Sheet (which is one of Project’s default views), to hold all relevant information on your global set of resources. As with any Project view, it can be customised with additional fields and columns to add additional information to suit your needs and requirements. Other than this, the Programme file is left empty.

So, let’s first set it up and then look at how we could use it, not only to track usage but also costs.

First, we need to create a new blank programme, then save it with a name that immediately identifies its purpose, such as ‘Resource Pool’ or similar.

Resources are the people (labour), plant, materials, and services, which get consumed during the life of the project. For this example, I’m only going to concentrate on Plant, so here’s a sample list of resources that I have loaded on to the resource sheet as our commonly shared equipment.

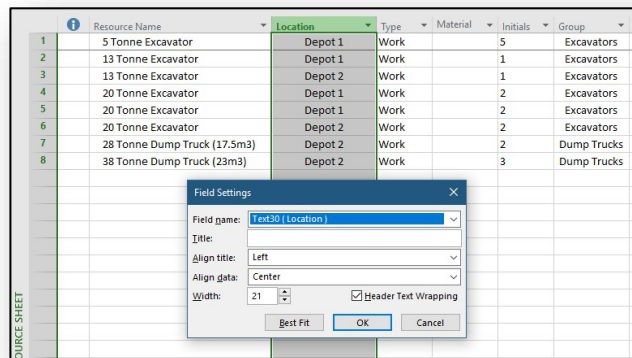
	Resource Name	Location	Type	Material	Initials	Group	Max.	Std. Rate	Ovt.	Transport	Accrue	Base
1	5 Tonne Excavator	Depot 1	Work		5	Excavators	100%	\$80.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
2	13 Tonne Excavator	Depot 1	Work		1	Excavators	100%	\$100.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
3	13 Tonne Excavator	Depot 2	Work		1	Excavators	100%	\$100.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
4	20 Tonne Excavator	Depot 1	Work		2	Excavators	100%	\$120.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
5	20 Tonne Excavator	Depot 1	Work		2	Excavators	100%	\$120.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
6	20 Tonne Excavator	Depot 2	Work		2	Excavators	100%	\$120.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
7	Excavator Delivery Cost		Work		E	Excavators	100%	\$0.00/hr	\$0.00/hr	\$400.00	Start	Standard
8	28 Tonne Dump Truck (17.5m3)	Depot 2	Work		2	Dump Trucks	100%	\$100.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
9	38 Tonne Dump Truck (23m3)	Depot 2	Work		3	Dump Trucks	100%	\$130.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
10	Dump Truck Delivery Cost		Work		D	Dump Trucks	100%	\$0.00/hr	\$0.00/hr	\$300.00	Start	Standard



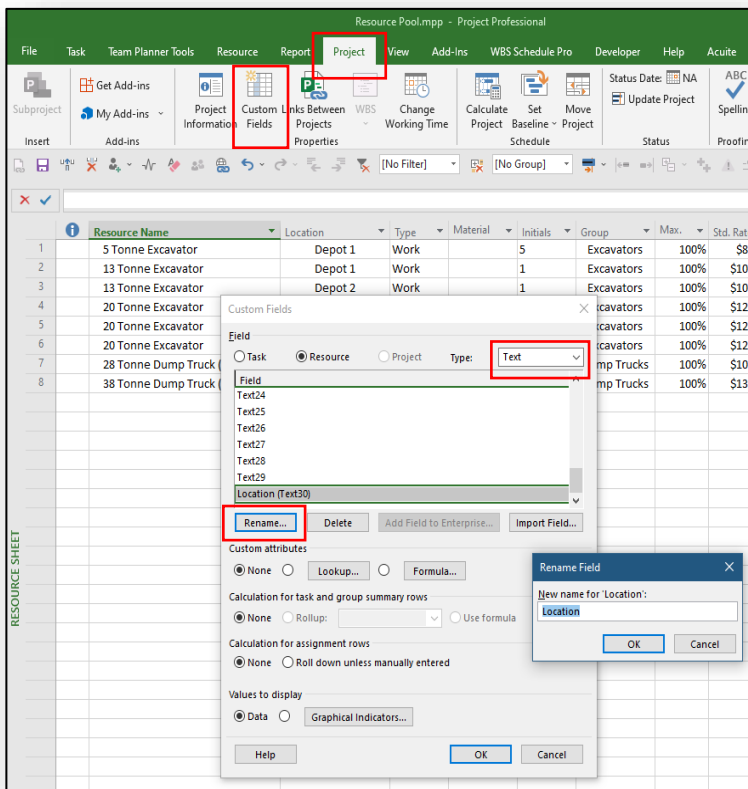
The way to access the **Resource Sheet** is to click on the Gantt chart icon at the top right corner of the Programme and choose from the drop-down list.

Once we have written up our list of resources, we can add additional useful information, such as charge out rate, and delivery transport costs or location if you have more than one depot. You can add additional columns as you see fit, to suit your needs.

In my example I've added a custom column to show **Location** (useful if plant is garaged in multiple Depots).



Project has a large number of customisable fields that you can set up how you want. I won't go into this too deeply here, but the way set one up is to navigate to the **Project Tab** and click on **Custom Fields** choose the Field Type you want, pick a field you want to use and rename it. In this example I've chosen Text 30.



Text 1 in the resource sheet is not the same field as Text 1 in the Gantt view, the available options are specific to the view in use.

Its worth noting at this point that the custom fields available in the Resource Sheet view are different to the custom fields in the Gantt view.

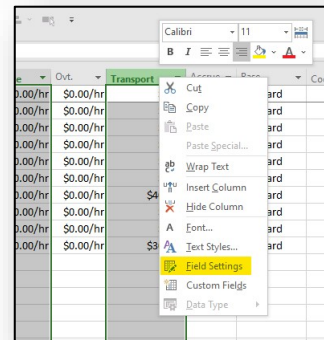
Text 1 in the resource sheet is not the same field as Text 1 in the Gantt view, the available options are specific to the view in use.

The next thing I'm going to do is add some charge out rates and Transport costs.

	Resource Name	Location	Type	Material	Initials	Group	Max.	Std. Rate	Ovt.	Transport	Accrue	Base
1	5 Tonne Excavator	Depot 1	Work		5	Excavators	100%	\$80.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
2	13 Tonne Excavator	Depot 1	Work		1	Excavators	100%	\$100.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
3	13 Tonne Excavator	Depot 2	Work		1	Excavators	100%	\$100.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
4	20 Tonne Excavator	Depot 1	Work		2	Excavators	100%	\$120.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
5	20 Tonne Excavator	Depot 1	Work		2	Excavators	100%	\$120.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
6	20 Tonne Excavator	Depot 2	Work		2	Excavators	100%	\$120.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
7	Excavator Delivery Cost		Work		E	Excavators	100%	\$0.00/hr	\$0.00/hr	\$400.00	Start	Standard
8	28 Tonne Dump Truck (17.5m3)	Depot 2	Work		2	Dump Trucks	100%	\$100.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
9	38 Tonne Dump Truck (23m3)	Depot 2	Work		3	Dump Trucks	100%	\$130.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
10	Dump Truck Delivery Cost		Work		D	Dump Trucks	100%	\$0.00/hr	\$0.00/hr	\$300.00	Start	Standard

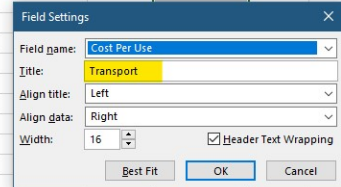
The Transport Cost column is actually a renaming of the default **Cost Per Use** column. The way to rename the column is through the Field Setting dialogue as follows:

Right click on the column Heading and choose **Field Settings** from the drop-down list.



Then in the Field Settings dialogue, type the new column name in the Title box and click Ok

	Resource Name	Location	Type	Material	Initials	Group	Max.	Std. Rate	Ovt.	Transport	Accrue	Base
1	5 Tonne Excavator	Depot 1	Work		5	Excavators	100%	\$80.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
2	13 Tonne Excavator	Depot 1	Work		1	Excavators	100%	\$100.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
3	13 Tonne Excavator	Depot 2	Work		1	Excavators	100%	\$100.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
4	20 Tonne Excavator	Depot 1	Work		2	Excavators	100%	\$120.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
5	20 Tonne Excavator	Depot 1	Work		2	Excavators	100%	\$120.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
6	20 Tonne Excavator	Depot 2	Work		2	Excavators	100%	\$120.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
7	Excavator Delivery Cost		Work		E	Excavators	100%	\$0.00/hr	\$0.00/hr	\$400.00	Start	Standard
8	28 Tonne Dump Truck (17.5m3)	Depot 2	Work		2	Dump Trucks	100%	\$100.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
9	38 Tonne Dump Truck (23m3)	Depot 2	Work		3	Dump Trucks	100%	\$130.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
10	Dump Truck Delivery Cost		Work		D	Dump Trucks	100%	\$0.00/hr	\$0.00/hr	\$300.00	Start	Standard



Costs can be calculated in one of 3 ways - at the start, at the end, or prorated as the work progresses.

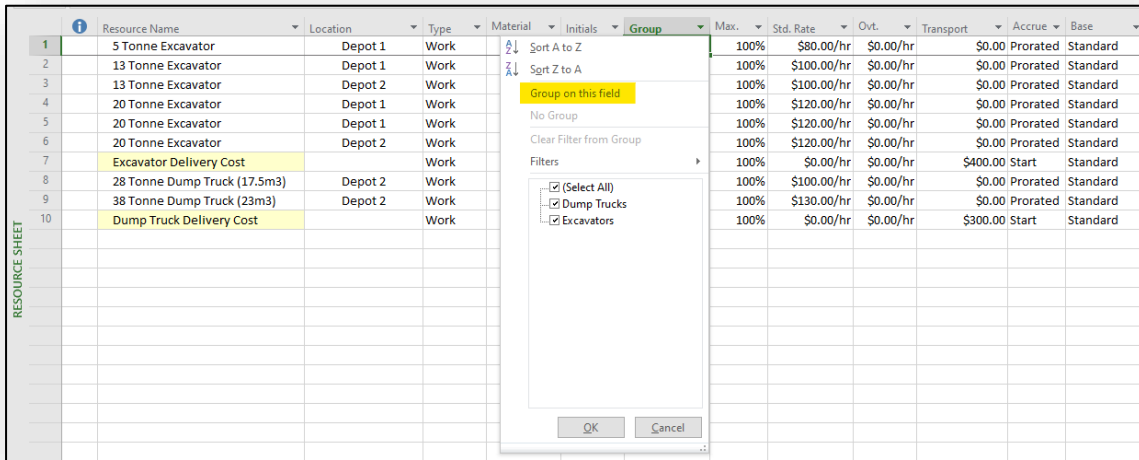
In this example the charge rate for each machine is listed as a standard rate with the charge accrued prorated, whereas the delivery cost is made as a cost per use charged at the start.

You could also if you wanted to, add say a disestablishment charge at the end of use, or say fuel costs charged progressively.

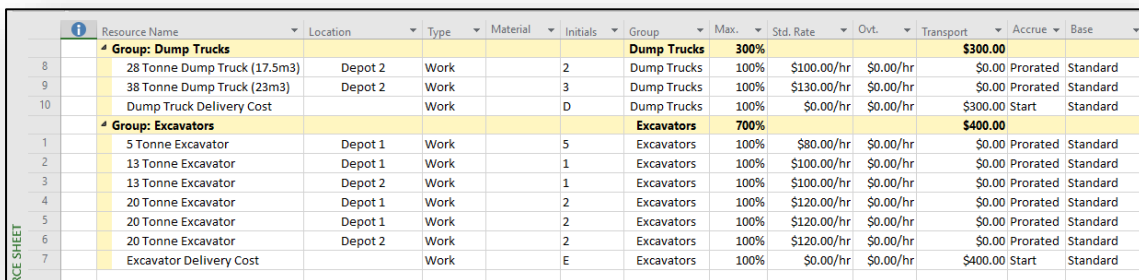
The choice is yours.

Before we move on to looking at how we share the resource pool with multiple projects, I just want to make you aware of another way of viewing the resource table, and that's to use the **Grouping Filter**.

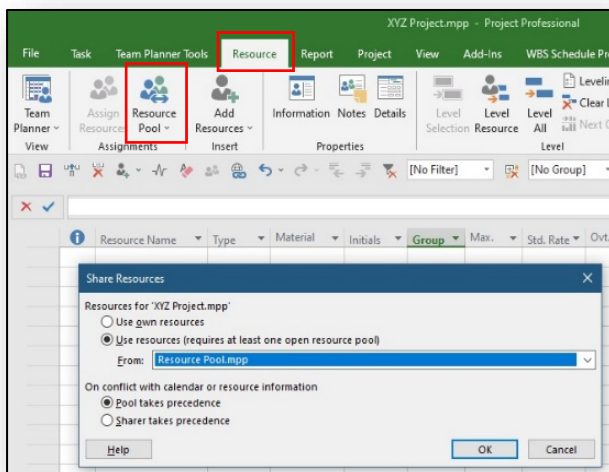
Choose the column you want to Group by (in this case the equipment group column), and choose Group on this field from the drop-down list



The view then changes to this rather more organised looking view



Now we have the Pool set up, let's look at how we can make use of it.



Open a project that you want to share the resource pool with. It can be a new or existing project, either with or without resources already allocated, and open the **Resource Sheet** view.

Next navigate to the **Resource Tab** on the menu ribbon and click the **Resource Pool** button

Note that any resources in the existing Project will automatically be shared with the Resource Pool too.

With the Resource Pool programme open, choose it in the drop-down to create the dynamic link. Click Ok and the Resource Pool is now linked to your Project.

Before you link the Programmes consider the following:

The nature of the Resource Pool is that it acts as a server for all of the linked Projects, updating resource changes to all Projects dynamically in real time. However, changes to resource usage are driven by events in the individual projects as work unfolds.

Consequently, the sharing is a two-way street, so that as resource use and availability changes, they ripple through and update all of the other projects in the network. As a result, the Resource Pool will pull the resources from all of the linked projects together and update the Pool to reflect all resources (labour, materials, and plant), across the whole network.

The downside of this is that it could lead to major confusion over what resources are serving what project. Especially where we have separate but matching resources across the group of connected projects.

For example, I have 2 Projects that I want to link to the resource Pool - Project ABC & Project XYZ. They will both utilise shared equipment in the Pool, however they will each also have their own unshared resources. Once they are linked to the Pool, all resources are visible to all Projects, so they need to be easily recognisable.

The easiest way I've found to manage this, and avoid any confusion, is to add a job code in front of the resources to identify the Project they relate to. So, before I link the Projects together, they all get identifier prefix codes.

Pool for the shared Pool items and **ABC** for the first programme and **XYZ** for the second (the code can be anything as long as it clearly identifies where each resource belongs).

Resource Name	Location	Type	Group	Max.	Std. Rate	Ovt.	Transport	Accrue	Base
Group: Dump Trucks			Dump Trucks	400%				\$300.00	
Pool - Pool - 28 Tonne Dump Truck (17.5m3)	Depot 2	Work	Dump Trucks	100%	\$100.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
Pool - 38 Tonne Dump Truck (23m3)	Depot 2	Work	Dump Trucks	100%	\$130.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
Pool - Dump Truck Delivery Cost		Work	Dump Trucks	100%	\$0.00/hr	\$0.00/hr	\$300.00	Start	Standard
Pool - Tipper 6W		Work	Dump Trucks	100%	\$80.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
Group: Excavators			Excavators	700%				\$400.00	
Pool - 5 Tonne Excavator	Depot 1	Work	Excavators	100%	\$80.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
Pool - 13 Tonne Excavator 1	Depot 1	Work	Excavators	100%	\$100.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
Pool - 13 Tonne Excavator 2	Depot 2	Work	Excavators	100%	\$100.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
Pool - 20 Tonne Excavator	Depot 1	Work	Excavators	100%	\$120.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
Pool - 20 Tonne Excavator	Depot 1	Work	Excavators	100%	\$120.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
Pool - 20 Tonne Excavator	Depot 2	Work	Excavators	100%	\$120.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
Pool - Excavator Delivery Cost		Work	Excavators	100%	\$0.00/hr	\$0.00/hr	\$400.00	Start	Standard

Resource Name	Type	Location	Group	Max.	Std. Rate	Ovt.	Cost/Use	Accrue	Base
Group: Equipment On Hire			Equipment On Hire	100%				\$0.00 Prorated	
ABC - Plate Compactor	Work		Equipment On Hire	100%	\$15.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
Group: Labour			Labour	1,800%				\$0.00	
ABC - General Labourers	Work		Labour	1,000%	\$35.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
ABC - Carpenters	Work		Labour	800%	\$45.00/hr	\$0.00/hr	\$0.00	Prorated	Standard

Resource Name	Location	Type	Group	Max.	Std. Rate	Ovt.	Cost/Use	Accrue	Base
Group: Equipment On Hire			Equipment On Hire	1,100%				\$0.00	
XYZ - Crane 30T		Work	Equipment On Hire	100%	\$150.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
XYZ - Tipper 6W - 1		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
XYZ - Tipper 6W - 2		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
XYZ - Tipper 6W - 3		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
XYZ - Tipper 6W - 4		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
XYZ - Tipper 6W - 5		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
XYZ - Tipper 6W - 6		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
XYZ - Excavator 20T		Work	Equipment On Hire	100%	\$120.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
XYZ - Tipper 6W - 7		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
XYZ - Tipper 6W - 8		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
XYZ - Excavator 20T-LR		Work	Equipment On Hire	100%	\$135.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
Group: Labour			Labour	600%				\$0.00	
XYZ - General Labourers		Work	Labour	400%	\$35.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
XYZ - Steel Erectors (6) 1		Work	Labour	100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
XYZ - Civils Team 1		Work	Labour	100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard
Group: Safety			Safety	100%				\$0.00 Prorated	
XYZ - STMS		Work	Safety	100%	\$0.00/hr	\$0.00/hr	\$0.00	Prorated	Standard

Now, when the programmes are linked, we see the following on the Resource Sheet:

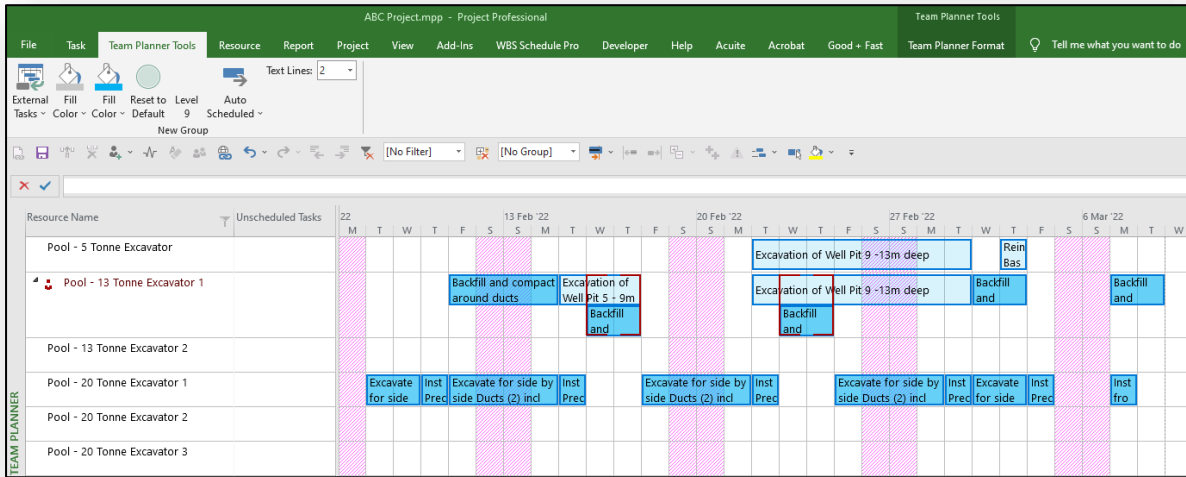
Resource Name	Location	Type	Group	Max.	Std. Rate	Ovt.	Transport	Accrue	Base
Group: Dump Trucks			Dump Trucks	400%					\$300.00
Pool - Pool - 28 Tonne Dump Truck (17.5m3)	Depot 2	Work	Dump Trucks	100%	\$100.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
Pool - 38 Tonne Dump Truck (23m3)	Depot 2	Work	Dump Trucks	100%	\$130.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
Pool - Dump Truck Delivery Cost		Work	Dump Trucks	100%	\$0.00/hr	\$0.00/hr		\$300.00 Start	Standard
Pool - Tipper 6W		Work	Dump Trucks	100%	\$80.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
Group: Equipment On Hire			Equipment On Hire	1,200%					\$0.00
ABC - Plate Compactor		Work	Equipment On Hire	100%	\$15.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
XYZ - Crane 30T		Work	Equipment On Hire	100%	\$150.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
XYZ - Tipper 6W - 1		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
XYZ - Tipper 6W - 2		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
XYZ - Tipper 6W - 3		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
XYZ - Tipper 6W - 4		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
XYZ - Tipper 6W - 5		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
XYZ - Tipper 6W - 6		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
XYZ - Excavator 20T		Work	Equipment On Hire	100%	\$120.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
XYZ - Tipper 6W - 7		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
XYZ - Tipper 6W - 8		Work	Equipment On Hire	100%	\$80.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
XYZ - Excavator 20T-LR		Work	Equipment On Hire	100%	\$135.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
Group: Excavators			Excavators	700%					\$400.00
Pool - 5 Tonne Excavator	Depot 1	Work	Excavators	100%	\$80.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
Pool - 13 Tonne Excavator 1	Depot 1	Work	Excavators	100%	\$100.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
Pool - 13 Tonne Excavator 2	Depot 2	Work	Excavators	100%	\$100.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
Pool - 20 Tonne Excavator	Depot 1	Work	Excavators	100%	\$120.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
Pool - 20 Tonne Excavator	Depot 1	Work	Excavators	100%	\$120.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
Pool - 20 Tonne Excavator	Depot 2	Work	Excavators	100%	\$120.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
Pool - Excavator Delivery Cost		Work	Excavators	100%	\$0.00/hr	\$0.00/hr		\$400.00 Start	Standard
Group: Labour			Labour	2,400%					\$0.00
ABC - General Labourers		Work	Labour	1,000%	\$35.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
XYZ - General Labourers		Work	Labour	400%	\$35.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
ABC - Carpenters		Work	Labour	800%	\$45.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
XYZ - Steel Erectors (6) 1		Work	Labour	100%	\$0.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
XYZ - Civils Team 1		Work	Labour	100%	\$0.00/hr	\$0.00/hr		\$0.00 Prorated	Standard
Group: Safety			Safety	100%					\$0.00 Prorated
XYZ - STMS		Work	Safety	100%	\$0.00/hr	\$0.00/hr		\$0.00 Prorated	Standard

And when we are working on a Project it's easy to see which resources are in the shared Pool and which are Project specific.

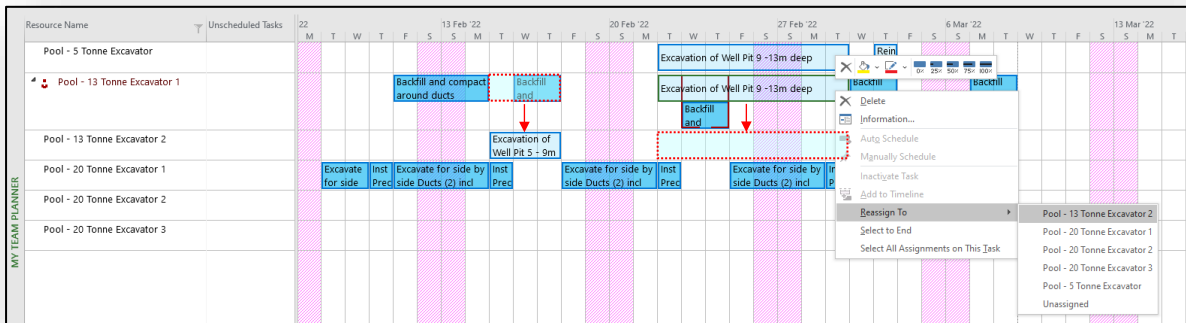
The screenshot displays a project management interface. At the top, a Gantt chart shows a task 'Excavate Well Pit' from Feb 8 to Mar 4, 2022. Below it, a task form for 'Excavation of Well Pit 5 - 9m deep' (3 days, Feb 15 to Feb 17, 2022) is shown. The task form includes a 'Resource List' with columns for Resource Name, Units, Work, and other metrics. Resources listed include 'Pool - 13 Tonne Excav' and various 'XYZ - Tipper 6W' units. A dialog box 'Assign Resources' is open, showing a list of resources from 'XYZ Project.mpp' with checkboxes for selection and buttons for 'Assign', 'Remove', 'Replace...', 'Graph', 'Close', and 'Help'.

Resolving Cross Project Over Allocations

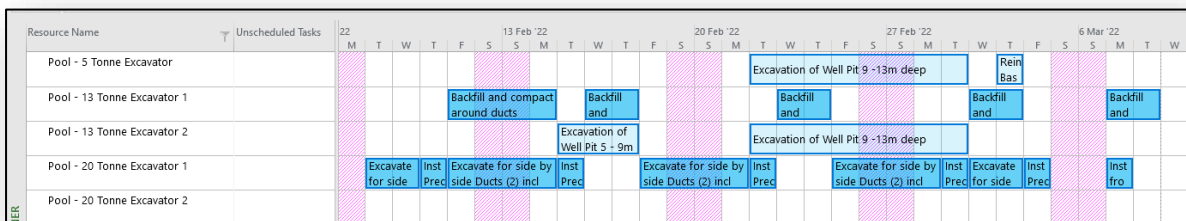
When optimising resources in the Team Planner view, any cross project over allocations are easily spotted as the Gantt bars for external project tasks show in a lighter shade. In the screenshot below, there is an over allocation (indicated by the red brackets) of **13 Tonne Excavator 1**. It's allocated to Backfill & Compact works on Project ABC shown by the dark blue bars, and at the same time it's allocated to Excavation of Well Pit on Project XYZ.



Since **13 Tonne Excavator 2** is fully available at that time, the Well Pit work can be allocated to that machine instead, either by drag and drop or by right clicking and choosing **Reassign** from the dialogue.



The end result, the over allocation is resolved:



Having costs assigned to the resources makes it easy to track where the project is at financially, simply by changing the view. Views are set up as a series of Tables, the default view is for **Task Entry**, but often we need to know the cost to complete. This is shown by navigating to the **View Tab** in the menu ribbon, clicking on the **Tables** icon and choosing **Cost** from the dialogue.

The screenshot shows the Microsoft Project Professional interface. The 'View' ribbon is active, and the 'Tables' icon is highlighted. A dropdown menu is open, showing various table options. The 'Cost' option is selected and highlighted in yellow. The background shows a Gantt chart for a project named 'ABC Project.mpp'. The chart displays tasks with their durations, start and finish dates, and associated costs. For example, task 4 'Pre Cast Duct - 11KV to Step Up Transformers' has a cost of \$1,520.00. Task 10 'Variation - Additional excavation' has a cost of \$1,013.33. The chart also shows a summary task 'Ducts 11KV to Step Up Transformers Complete (DL 30 June)' with a total cost of \$3,680.00.

The screenshot shows the 'Cost' table view in Microsoft Project Professional. The table displays the following columns: Task Name, Fixed Cost, Fixed Cost Accrual, Total Cost, Baseline, Variance, Actual, and Remaining. The data is as follows:

Task Name	Fixed Cost	Fixed Cost Accrual	Total Cost	Baseline	Variance	Actual	Remaining
Pre Cast Duct - 11KV to Step Up Transformers	\$0.00	Prorated	\$44,699.33	\$43,680.00	\$1,013.33	\$0.00	\$44,699.33
Excavate for side by side Ducts (2) Incl spread 100 Bedding - Section 9	\$0.00	Prorated	\$3,040.00	\$3,040.00	\$0.00	\$0.00	\$3,040.00
Install Precast Ducts (2 x max 6m Ducts) & Seal Joints - Section 9	\$0.00	Prorated	\$1,520.00	\$1,520.00	\$0.00	\$0.00	\$1,520.00
Backfill and compact around ducts	\$0.00	Prorated	\$4,000.00	\$4,000.00	\$0.00	\$0.00	\$4,000.00
Excavate for side by side Ducts (2) Incl spread 100 Bedding - Section 10	\$0.00	Prorated	\$3,040.00	\$3,040.00	\$0.00	\$0.00	\$3,040.00
Install Precast Ducts (2 x max 6m Ducts) & Seal Joints - Section 10	\$0.00	Prorated	\$1,520.00	\$1,520.00	\$0.00	\$0.00	\$1,520.00
Backfill and compact around ducts	\$0.00	Prorated	\$3,680.00	\$3,680.00	\$0.00	\$0.00	\$3,680.00
Excavate for side by side Ducts (2) Incl spread 100 Bedding - Section 11	\$0.00	Prorated	\$3,040.00	\$3,040.00	\$0.00	\$0.00	\$3,040.00
Variation - Additional excavation	\$0.00	Prorated	\$1,013.33	\$0.00	\$1,013.33	\$0.00	\$1,013.33
Install Precast Ducts (2 x max 6m Ducts) & Seal Joints - Section 11	\$0.00	Prorated	\$1,520.00	\$1,520.00	\$0.00	\$0.00	\$1,520.00
Backfill and compact around ducts	\$0.00	Prorated	\$4,000.00	\$4,000.00	\$0.00	\$0.00	\$4,000.00
Excavate for side by side Ducts (2) Incl spread 100 Bedding - Section 12	\$0.00	Prorated	\$3,040.00	\$3,040.00	\$0.00	\$0.00	\$3,040.00
Install Precast Ducts (2 x max 6m Ducts) & Seal Joints - Section 12	\$0.00	Prorated	\$1,520.00	\$1,520.00	\$0.00	\$0.00	\$1,520.00
Backfill and compact around ducts	\$0.00	Prorated	\$4,000.00	\$4,000.00	\$0.00	\$0.00	\$4,000.00
Excavate for side by side Ducts (2) Incl spread 100 Bedding - Section 13	\$0.00	Prorated	\$3,040.00	\$3,040.00	\$0.00	\$0.00	\$3,040.00
Install Precast Ducts (2 x max 6m Ducts) & Seal Joints - Section 13	\$0.00	Prorated	\$1,520.00	\$1,520.00	\$0.00	\$0.00	\$1,520.00
Backfill and compact around ducts	\$0.00	Prorated	\$3,680.00	\$3,680.00	\$0.00	\$0.00	\$3,680.00
Install from Final Delivery - Missing Lids	\$0.00	Prorated	\$1,520.00	\$1,520.00	\$0.00	\$0.00	\$1,520.00
Ducts 11KV to Step Up Transformers Complete (DL 30 June)	\$0.00	Prorated	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

The table also shows a summary task 'Ducts 11KV to Step Up Transformers Complete (DL 30 June)' with a total cost of \$3,680.00. The 'Remaining' column shows the remaining cost for each task, which is zero for all tasks except for the 'Variation - Additional excavation' task, which has a remaining cost of \$1,013.33.