

noveco

Next Generation Project System



Project Scheduling with Gantt Chart

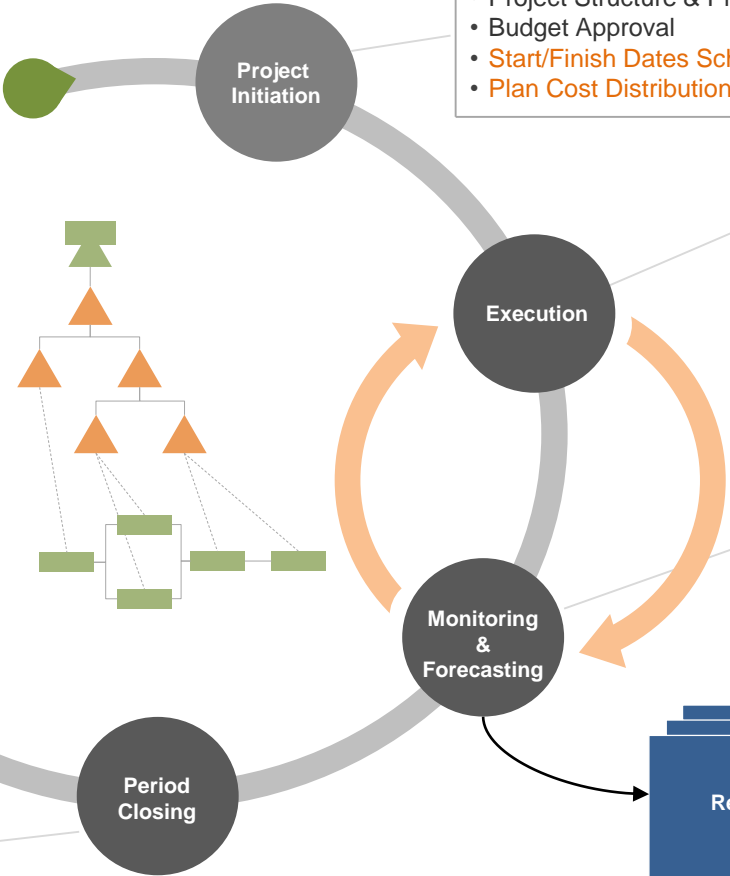
SAP[®] Certified
Powered by SAP NetWeaver[®]

SAP[®] Certified
Integration with SAP S/4HANA[®]



Project Management Lifecycle

Run by Noveco
Run by SAP or other software



- Estimating: Costs and Revenues
- Project Structure & Planning
- Budget Approval
- Start/Finish Dates Scheduling
- Plan Cost Distribution

- Purchase Orders / Contracts
- Time Sheets
- Invoicing & Billing
- Variations

- KPIs Review
- Cost / Margin Forecast
- Resource Planning
- Progress Analysis
- Materials and Procurement forecast

- Final Settlement
- Project Close

- Settlement
- Result Analysis/Profit Take
- Period Close



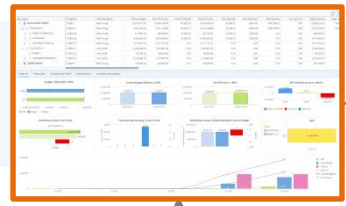
- Operational
- Dash Board
- Programs/Portfolio
- Analytical

Integrated Project Management in SAP

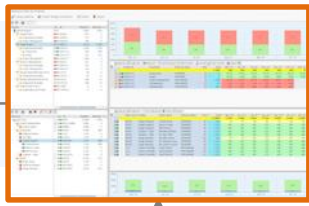
* Noveco Applications

Reporting Analysis

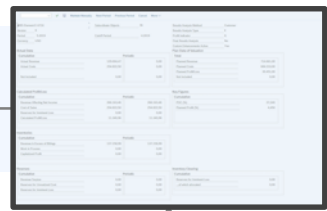
* Project Portal / Reporting



* Resource Planning



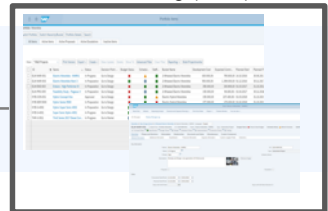
Profit Take (Result Analysis)



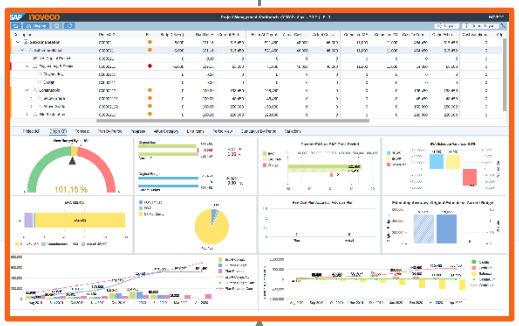
Advanced Analytics



Portfolio Planning (PPM)

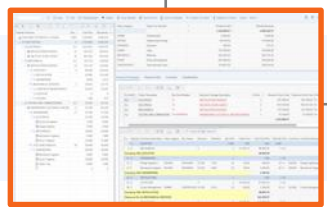


Monitoring
Forecasting
Progress Tracking

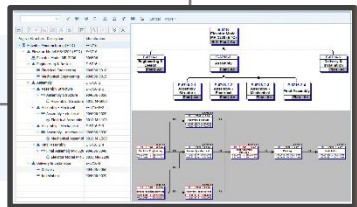


* Project Manager Workbench

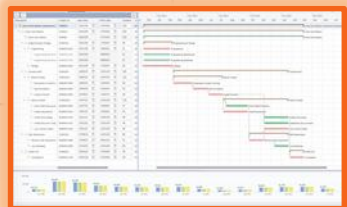
Planning
Execution
Variations



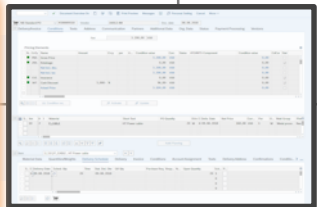
* Estimate: Cost & Revenue



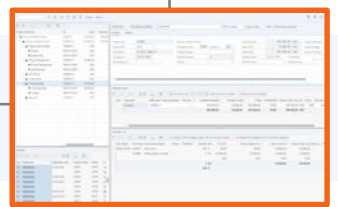
Create Project



* Schedule Dates



Procurement, Time Sheets
Invoicing, Billing



* Variations & Risks

Noveco add-on components



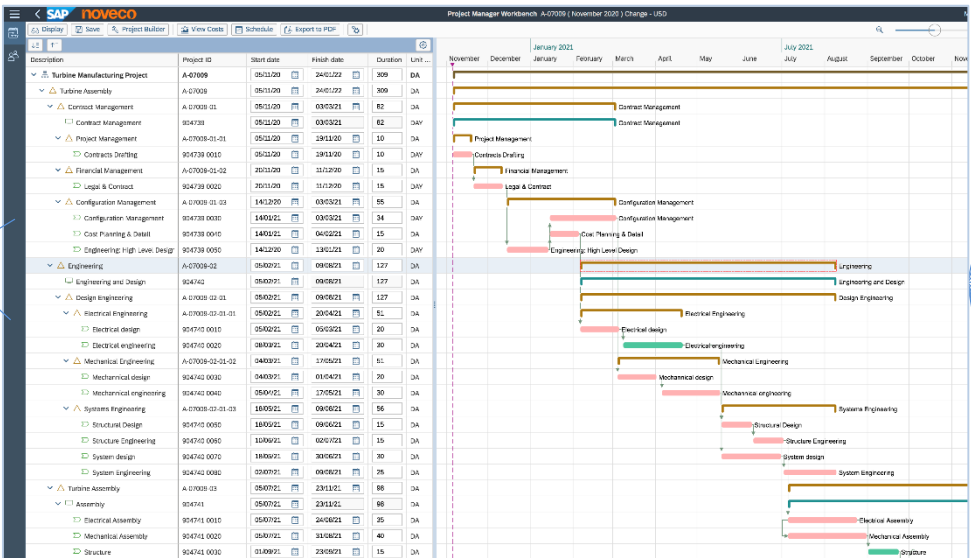
Cost & Revenue Estimation

Scheduling with Gantt Chart

Resource Planning

Project Manager Workbench

Project Reporting



- ✓ Powerful Scheduling Functionality
- ✓ Simple and intuitive user interface
- ✓ Seamless integration within SAP
- ✓ Cost Distribution

Automatic Dates Scheduling

Schedule part or entire project

Change duration of project tasks

Drag & Drop: Project level, WBS, Networks

Automatic Costs Distribution

Backwards and Forwards scheduling

Display Actual Duration

Display Plan and Actual POC, %

Seamless integration with SAP PS Project Dates

Project Scheduling with Fiori Gantt Chart

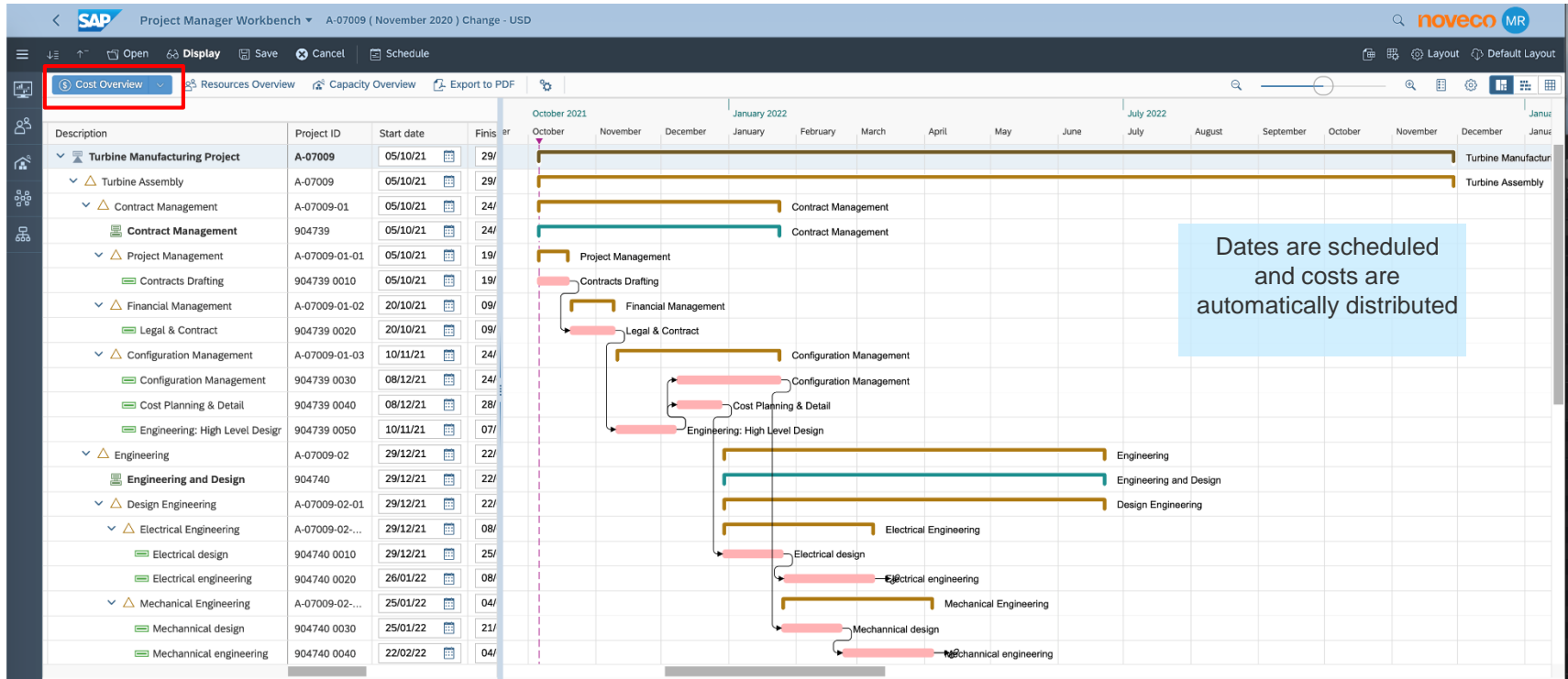
Project Manager Workbench | A-07009 (November 2020) Change - US

Set Start or Finish Dates to schedule project

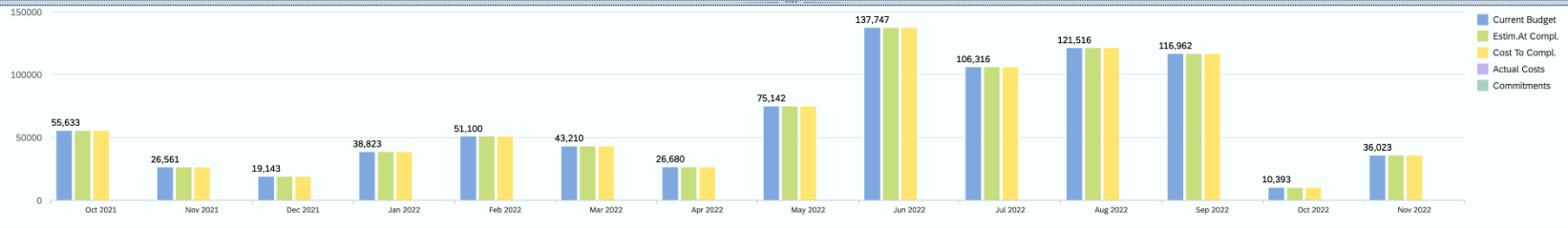
Description	Project ID	Start date	Finis
Turbine Manufacturing Project	A-07009	02/11/20	18/
Turbine Assembly	A-07009	02/11/20	18/
Contract Management	A-07009-01	02/11/20	20/
Contract Management	904739	02/11/20	02/
Project Management	A-07009-01-01	30/11/20	14/
Contracts Drafting	904739 0010	02/11/20	02/
Financial Management	A-07009-01-02	14/12/20	06/
Legal & Contract	904739 0020	02/11/20	02/
Configuration Management	A-07009-01-03	02/11/20	20/
Configuration Management	904739 0030	02/11/20	02/
Cost Planning & Detail	904739 0040	02/11/20	02/
Engineering: High Level Design	904739 0050	02/11/20	02/
Engineering	A-07009-02	28/12/20	28/
Engineering and Design	904740	02/11/20	02/
Design Engineering	A-07009-02-01	28/12/20	28/
Electrical Engineering	A-07009-02-...	28/12/20	10/
Electrical design	904740 0010	02/11/20	02/
Electrical engineering	904740 0020	02/11/20	02/
Mechanical Engineering	A-07009-02-...	25/01/21	07/
Mechanical design	904740 0030	02/11/20	02/
Mechanical engineering	904740 0040	02/11/20	02/
Systems Engineering	A-07009-02-...	08/04/21	28/
Structural Design	904740 0050	02/11/20	02/
Structure Engineering	904740 0060	02/11/20	02/
System design	904740 0070	02/11/20	02/
System Engineering	904740 0080	02/11/20	02/
Turbine Assembly	A-07009-03	28/06/21	17/
Assembly	904741	02/11/20	02/
Electrical Assembly	904741 0010	02/11/20	02/
Mechanical Assembly	904741 0020	02/11/20	02/

- A full Scale Project scheduling functionality in SAP PS by Noveco
- Gantt Chart with build-in scheduling, drag & drop function
- Automatic cost distribution based on new dates
- Complete and seamless integration with Project Dates and Cost Plan in PS

Project Scheduling with Fiori Gantt Chart



Dates are scheduled and costs are automatically distributed



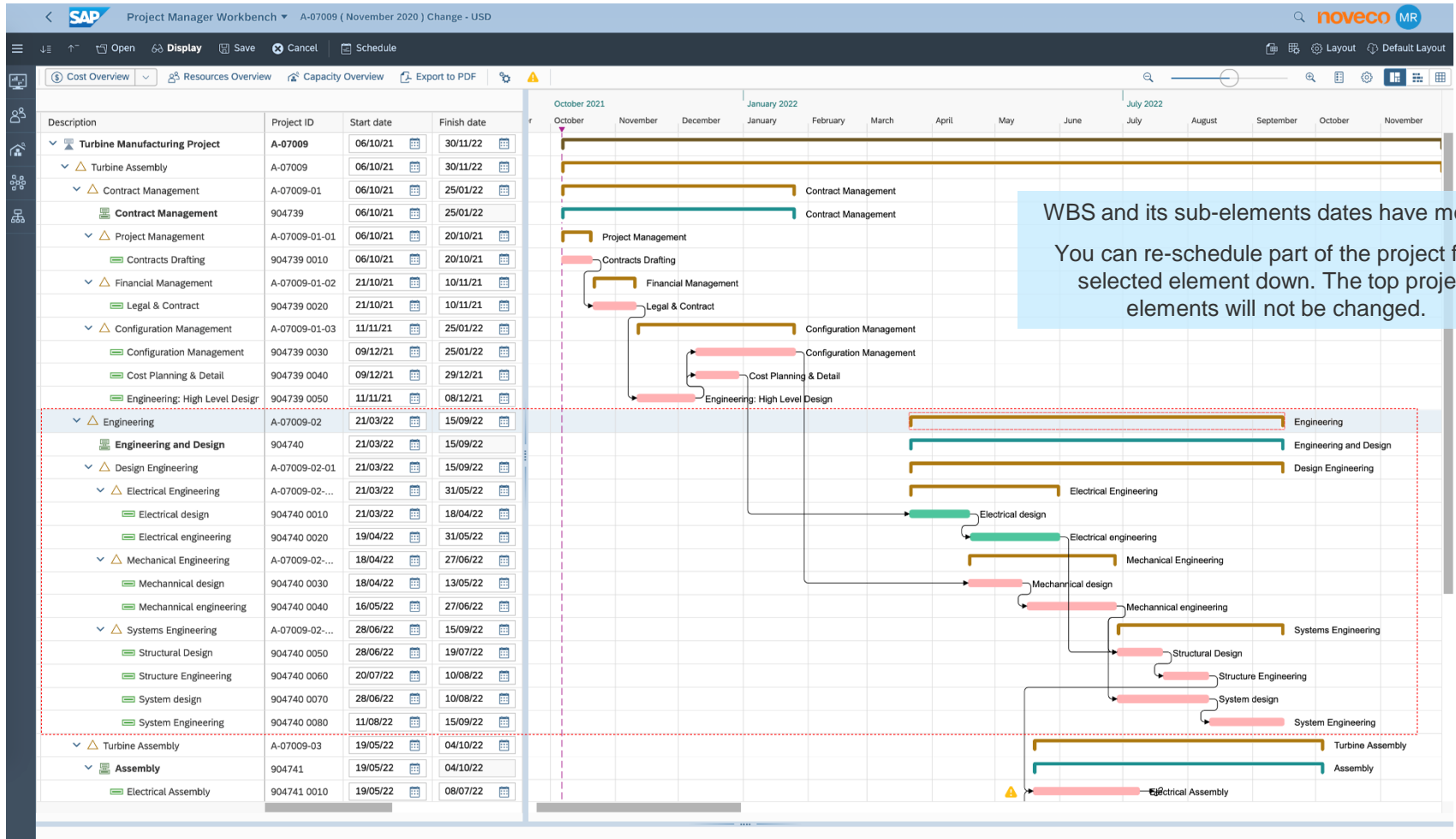
Project Scheduling with Fiori Gantt Chart

The screenshot displays the SAP Project Manager Workbench interface. The top navigation bar shows the SAP logo, project details (A-07009), and the Novaco MR logo. Below the navigation bar, there are tabs for Cost Overview, Resources Overview, Capacity Overview, and Export to PDF. The main area is divided into a table on the left and a Gantt chart on the right.

Description	Project ID	Start date	Finish date
Turbine Manufacturing Project	A-07009	05/10/21	29/11/22
Turbine Assembly	A-07009	05/10/21	29/11/22
Contract Management	A-07009-01	05/10/21	24/01/22
Contract Management	904739	05/10/21	24/01/22
Project Management	A-07009-01-01	05/10/21	19/10/21
Contracts Drafting	904739 0010	05/10/21	19/10/21
Financial Management	A-07009-01-02	20/10/21	09/11/21
Legal & Contract	904739 0020	20/10/21	09/11/21
Configuration Management	A-07009-01-03	10/11/21	24/01/22
Configuration Management	904739 0030	08/12/21	24/01/22
Cost Planning & Detail	904739 0040	08/12/21	28/12/21
Engineering: High Level Design	904739 0050	10/11/21	07/12/21
Engineering	A-07009-02	29/12/21	22/06/22
Engineering and Design	904740	29/12/21	22/06/22
Design Engineering	A-07009-02-01	29/12/21	22/06/22
Electrical Engineering	A-07009-02-...	29/12/21	08/03/22
Electrical design	904740 0010	29/12/21	25/01/22
Electrical engineering	904740 0020	26/01/22	08/03/22
Mechanical Engineering	A-07009-02-...	25/01/22	04/04/22
Mechanical design	904740 0030	25/01/22	21/02/22
Mechanical engineering	904740 0040	22/02/22	04/04/22
Systems Engineering	A-07009-02-...	05/04/22	22/06/22
Structural Design	904740 0050	05/04/22	26/04/22
Structure Engineering	904740 0060	27/04/22	17/05/22
System design	904740 0070	05/04/22	17/05/22
System Engineering	904740 0080	18/05/22	22/06/22
Turbine Assembly	A-07009-03	18/05/22	03/10/22
Assembly	904741	18/05/22	03/10/22
Electrical Assembly	904741 0010	18/05/22	07/07/22

You can Drag & Drop WBS structure
It will move all sub-elements of that WBS to new dates

Project Scheduling with Fiori Gantt Chart



Project Scheduling with Fiori Gantt Chart

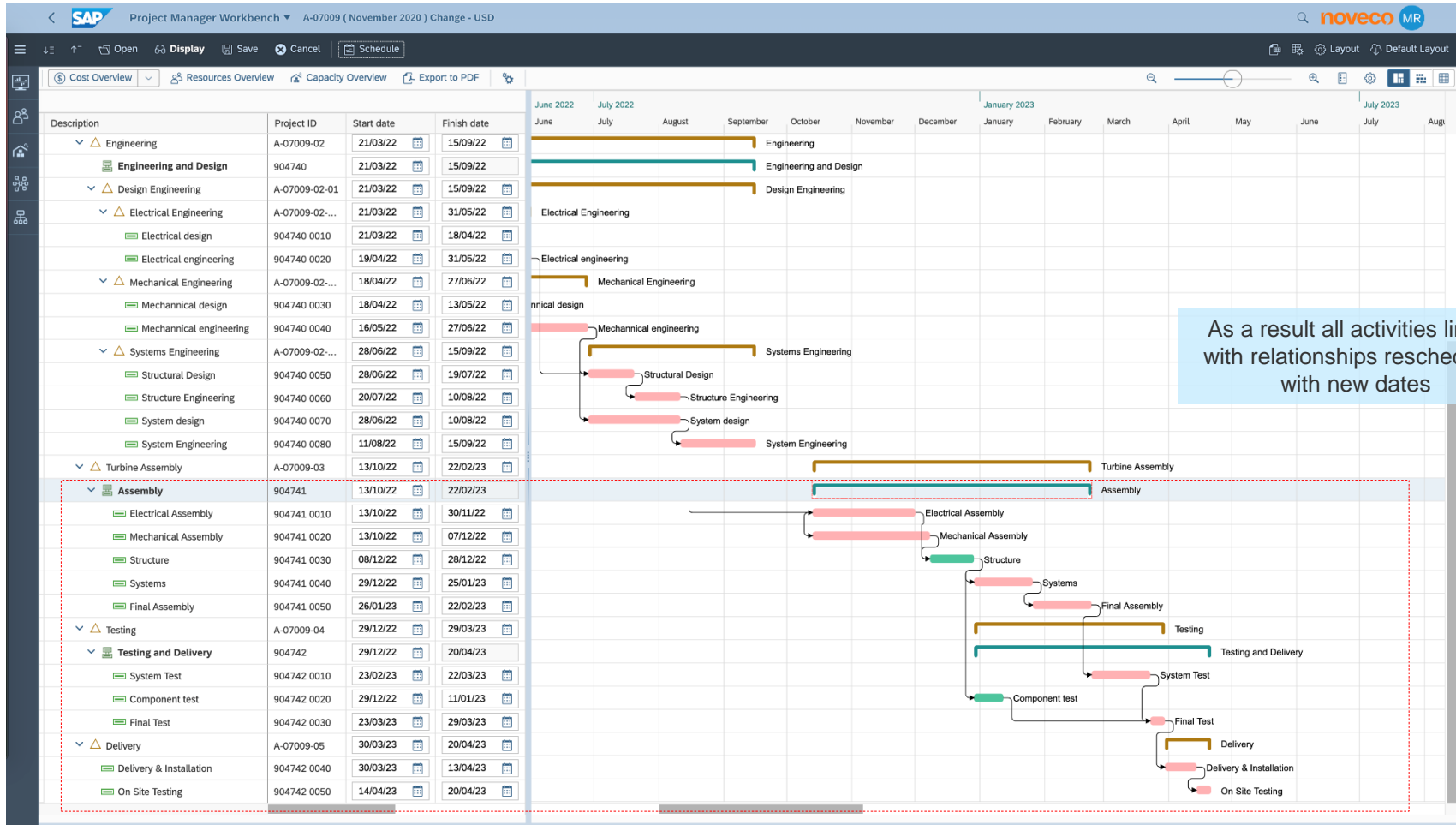
SAP Project Manager Workbench | A-07009 (November 2020) Change - USD

Cost Overview | Resources Overview | Capacity Overview | Export to PDF

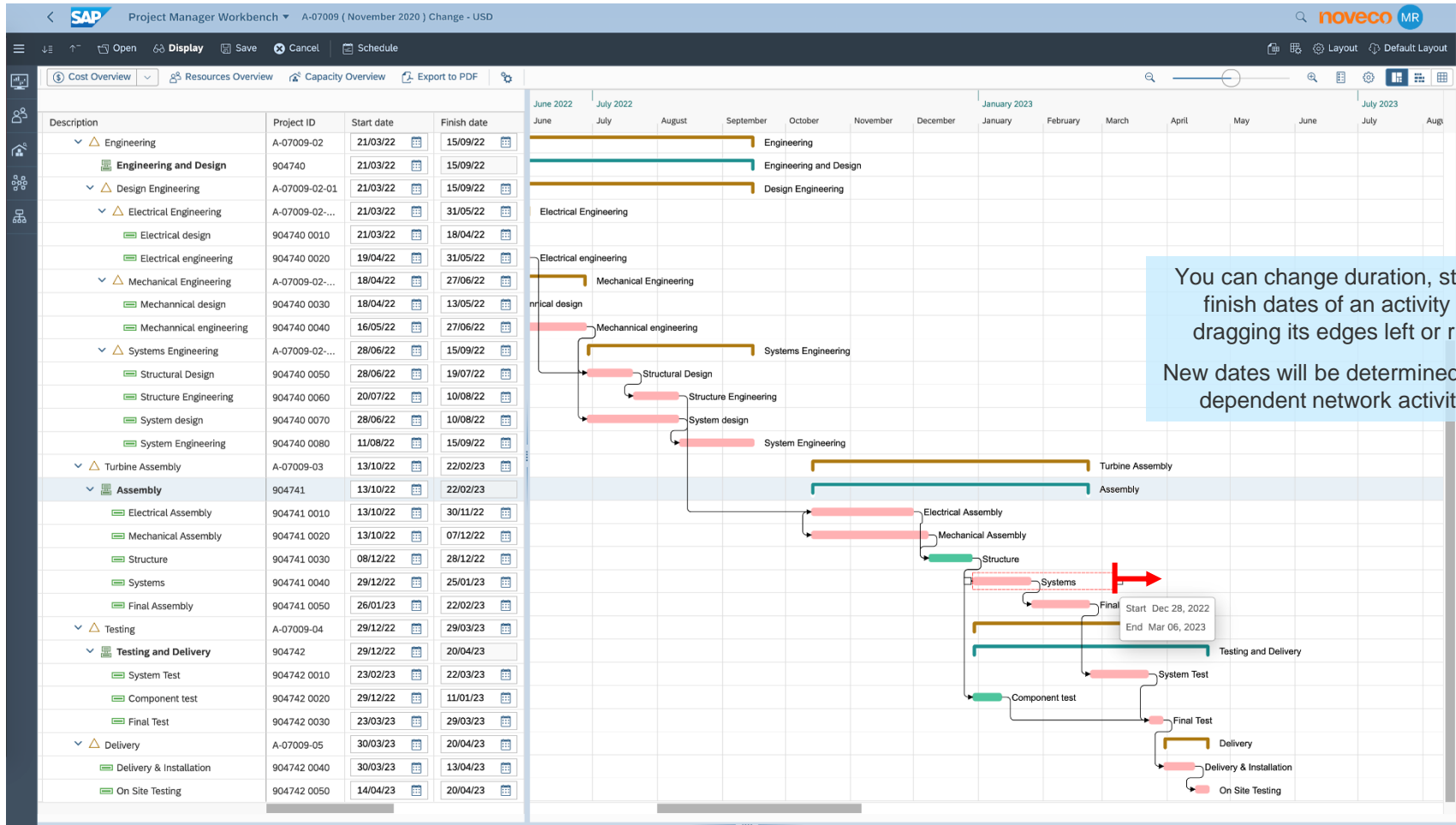
Description	Project ID	Start date	Finish date
Engineering	A-07009-02	21/03/22	15/09/22
Engineering and Design	904740	21/03/22	15/09/22
Design Engineering	A-07009-02-01	21/03/22	15/09/22
Electrical Engineering	A-07009-02-...	21/03/22	31/05/22
Electrical design	904740 0010	21/03/22	18/04/22
Electrical engineering	904740 0020	19/04/22	31/05/22
Mechanical Engineering	A-07009-02-...	18/04/22	27/06/22
Mechanical design	904740 0030	18/04/22	13/05/22
Mechanical engineering	904740 0040	16/05/22	27/06/22
Systems Engineering	A-07009-02-...	28/06/22	15/09/22
Structural Design	904740 0050	28/06/22	19/07/22
Structure Engineering	904740 0060	20/07/22	10/08/22
System design	904740 0070	28/06/22	10/08/22
System Engineering	904740 0080	11/08/22	15/09/22
Turbine Assembly	A-07009-03	11/08/22	23/12/22
Assembly	904741	11/08/22	23/12/22
Electrical Assembly	904741 0010	11/08/22	29/09/22
Mechanical Assembly	904741 0020	11/08/22	06/10/22
Structure	904741 0030	07/10/22	28/10/22
Systems	904741 0040	31/10/22	25/11/22
Final Assembly	904741 0050	28/11/22	23/12/22
Testing	A-07009-04	31/10/22	27/01/23
Testing and Delivery	904742	31/10/22	17/02/23
System Test	904742 0010	26/12/22	20/01/23
Component test	904742 0020	31/10/22	11/11/22
Final Test	904742 0030	23/01/23	27/01/23
Delivery	A-07009-05	30/01/23	17/02/23
Delivery & Installation	904742 0040	30/01/23	10/02/23
On Site Testing	904742 0050	13/02/23	17/02/23

You can Drag & Drop Network Header
It will reschedule all network activities across different WBS elements according to the new dates

Project Scheduling with Fiori Gantt Chart

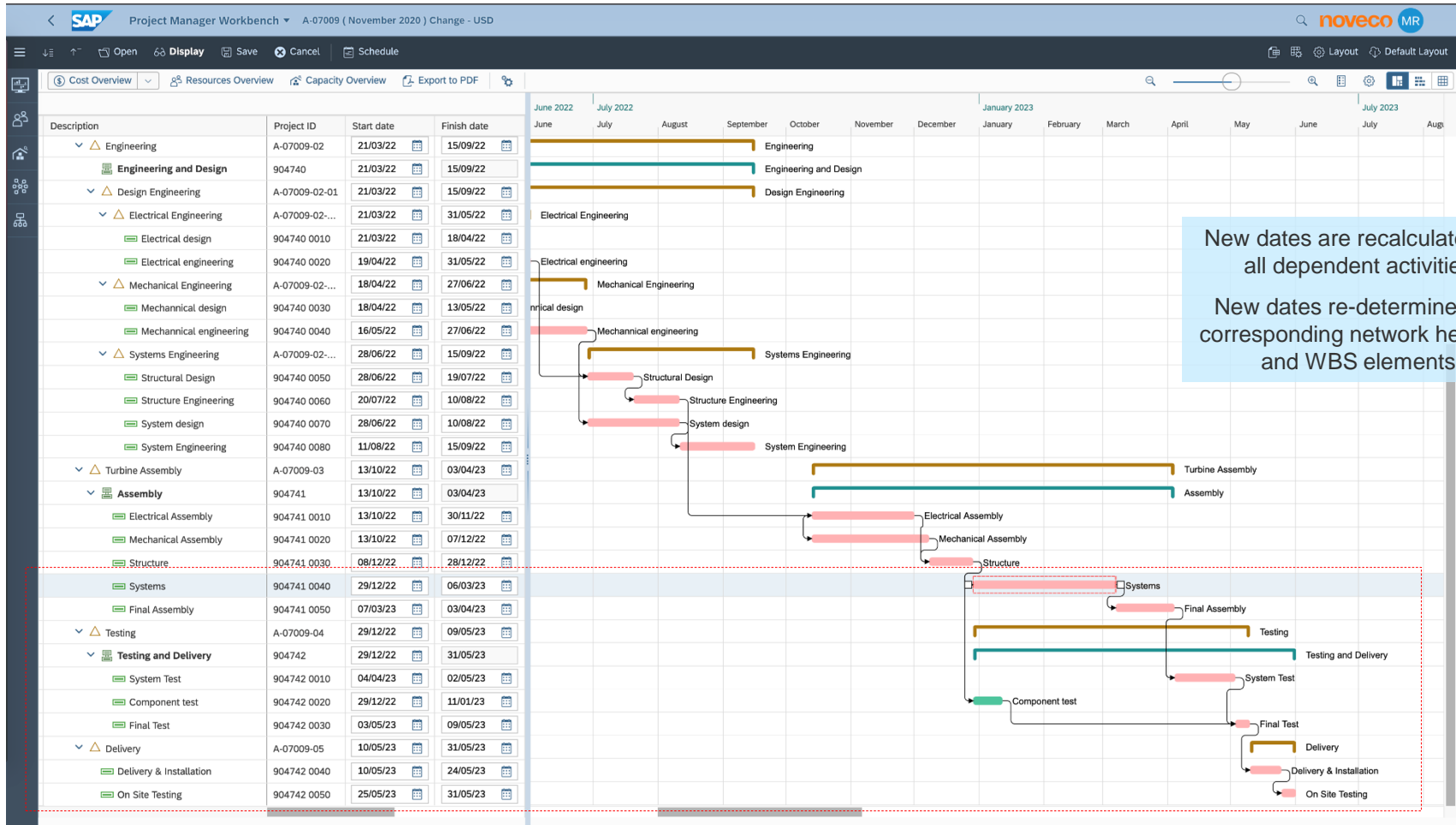


Project Scheduling with Fiori Gantt Chart



You can change duration, start or finish dates of an activity by dragging its edges left or right. New dates will be determined for all dependent network activities

Project Scheduling with Fiori Gantt Chart



New dates are recalculated for all dependent activities

New dates re-determined for corresponding network headers and WBS elements

Project Scheduling with Fiori Gantt Chart

The screenshot displays the SAP Project Manager Workbench interface. The top navigation bar includes the SAP logo, 'Project Manager Workbench', and the project identifier 'A-07009 (November 2020) Change - USD'. The Novenco MR logo is visible in the top right corner. The main area features a Gantt chart with a timeline from September 2021 to October 2022. A task configuration dialog is open, titled '904739 0050 Engineering: High Level Design'. The dialog has tabs for 'Dates' and 'KPI', with 'Dates' currently selected. It contains sections for 'Constraints' (with 'Must start on' and 'Finish date' fields), 'Dates' (with 'Start date' and 'Finish date' fields), and a table of relationships. The relationship table lists three tasks: '904739 0020 Legal & Contract', '904739 0030 Configuration Management', and '904739 0040 Cost Planning & Detail', all with 'FS' (Finish-to-Start) relationships and a duration of 0. An 'OK' button is located at the bottom of the dialog. A light blue callout box on the right side of the screen contains the text: 'Double click on Network Activity to change dates, duration, relationships or set date constrains'.

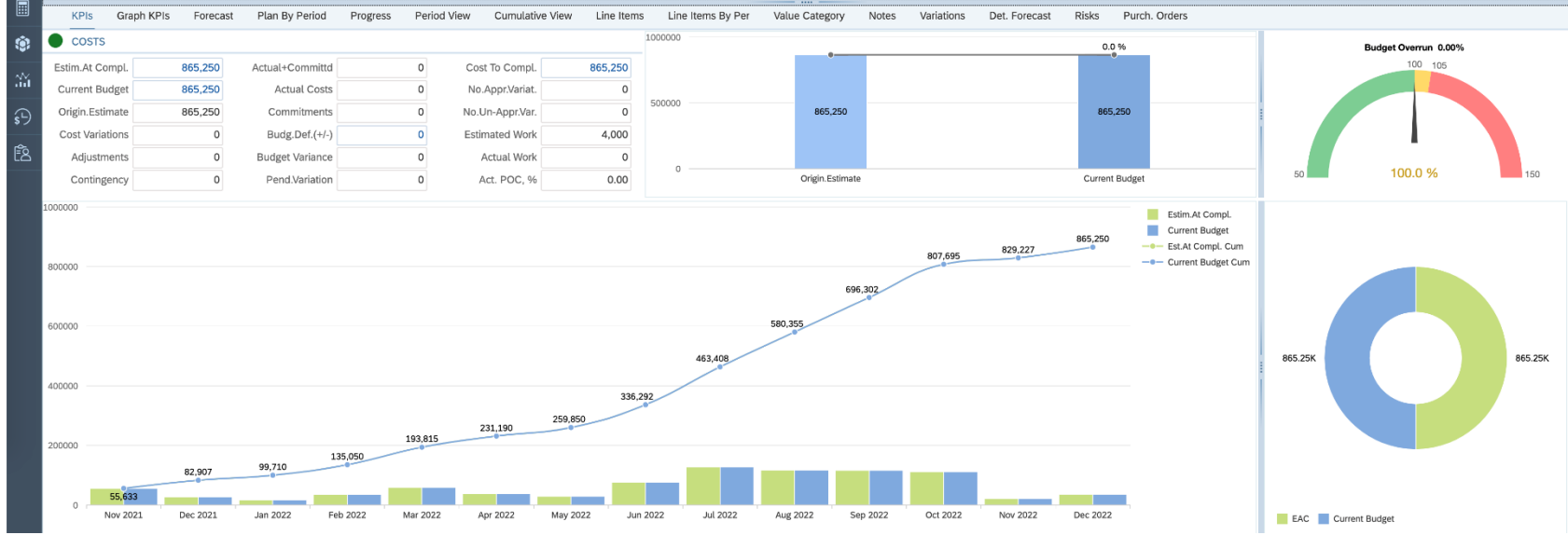
Project ID	Description	Relationships	Interval	Unit	Intr.Fix	Action
904739 0020	Legal & Contract	FS	0	DAY	<input type="checkbox"/>	
904739 0030	Configuration Management	FS	0	DAY	<input type="checkbox"/>	
904739 0040	Cost Planning & Detail	FS	0	DAY	<input type="checkbox"/>	

Project Scheduling with Fiori Gantt Chart

SAP Project Manager Workbench | A-07009 (November 2020) Change - USD

Description	Project ID	On Bu...	Budg.Def.(+/-)	Bud.Def.%	Current Bud...	Estim.At Co...	Actual Costs...	Committed ME	Cost To Com...	Origin.Estim...	Cost Variations	Adjustments	Contingency	Accrued Cost	Plan POC
▼ Turbine Manufacturing Project	A-07009	●	0	100.00	865,250	865,250	0	0	865,250	865,250	0	0	0	0	0
▼ Turbine Assembly	A-07009	●	0	100.00	865,250	865,250	0	0	865,250	865,250	0	0	0	0	0
▼ Contract Management	A-07009-01	●	0	100.00	110,000	110,000	0	0	110,000	110,000	0	0	0	0	0
Contract Management	904739		0	0.00	0	0	0	0	0	0	0	0	0	0	0
> Project Management	A-07009-01-01	●	0	100.00	37,500	37,500	0	0	37,500	37,500	0	0	0	0	0
> Financial Management	A-07009-01-02	●	0	100.00	34,000	34,000	0	0	34,000	34,000	0	0	0	0	0
> Configuration Management	A-07009-01-03	●	0	100.00	38,500	38,500	0	0	38,500	38,500	0	0	0	0	0
> Engineering	A-07009-02	●	0	100.00	199,250	199,250	0	0	199,250	199,250	0	0	0	0	0
> Turbine Assembly	A-07009-03	●	0	100.00	505,000	505,000	0	0	505,000	505,000	0	0	0	0	0
> Testing	A-07009-04	●	0	100.00	16,500	16,500	0	0	16,500	16,500	0	0	0	0	0
> Delivery	A-07009-05	●	0	100.00	34,500	34,500	0	0	34,500	34,500	0	0	0	0	0

After new dates are recalculated costs are re-distributed



Project Scheduling with Production and Maintenance orders

Project Builder & BOM

Project Structure: Description | Identification

- Elevator Manufacturing (ETO) | E-6717
 - Elevator Model MR-3200 (ETO) | E-6717
 - Elevator Model MR-3200 | 904759
 - Engineering & Design | E-6717-1
 - Electrical Engineering | 904759 0010
 - Mechanical Engineering | 904759 0015
 - Assembly | E-6717-2
 - Assembly Structure | E-6717-2-1
 - Assembly Structure | 904759 0050**
 - Assembly: Structure | 0010 M-5000
 - Assembly - Electrical | E-6717-2-2
 - Assembly - electrical | 904759 0020
 - Electrical Assembly | 0010 M-1100
 - Assembly - Mechanical | E-6717-2-3
 - Assembly - mechanical | 904759 0030
 - Mechanical Assembly | 0010 M-1200
 - Final Assembly | E-6717-2-4
 - Final Assembly MR-3200 | 904759 0040
 - Elevator Model MR-3200 | 0010 MR-3200
 - Testing & Commissioning | E-6717-3
 - Quality check | 904759 0060
 - Delivery | 904759 0070

Identification and view selection

Activity: 904759 0050 Assembly Structure

Detail: [icon]

Overview(s): [icon] [icon] [icon] [icon] [icon] [icon]

Total Purch.

Item	Material	Plant	Description	Requirement qty	Base...	Reqmts date	Pr...	L...	R...	Stor...
<input type="checkbox"/>	0010	M-5000	M320	Assembly: Structure	1	PC	01.01.2021	L	3	0001
<input type="checkbox"/>	0020		M320						3	
<input type="checkbox"/>	0030		M320						3	
<input type="checkbox"/>	0040		M320						3	
<input type="checkbox"/>	0050		M320						3	
<input type="checkbox"/>	0060		M320							
<input type="checkbox"/>	0070		M320							
<input type="checkbox"/>	0080		M320							
<input type="checkbox"/>	0090		M320							
<input type="checkbox"/>	0100		M320							
<input type="checkbox"/>	0110		M320							
<input type="checkbox"/>	0120		M320							

Bill of Materials

Product Structure | Short Text

- M-5000 M320 1 01 | Assembly: Structure
- 0010 L M-5100 | jack unit
 - M-5100 M320 1 01 | jack unit
 - 0010 L 500-509 | plunger
 - 0020 L 500-519 | cylinder
 - 0030 L P_CABLE | HT Power cable
 - 0020 L M-5200 | roped unit
 - M-5200 M320 1 01 | roped unit
 - 0010 L 500-520 | steel yoke
 - 0020 L 500-521 | guide rails
 - 0030 L P_CABLE | HT Power cable

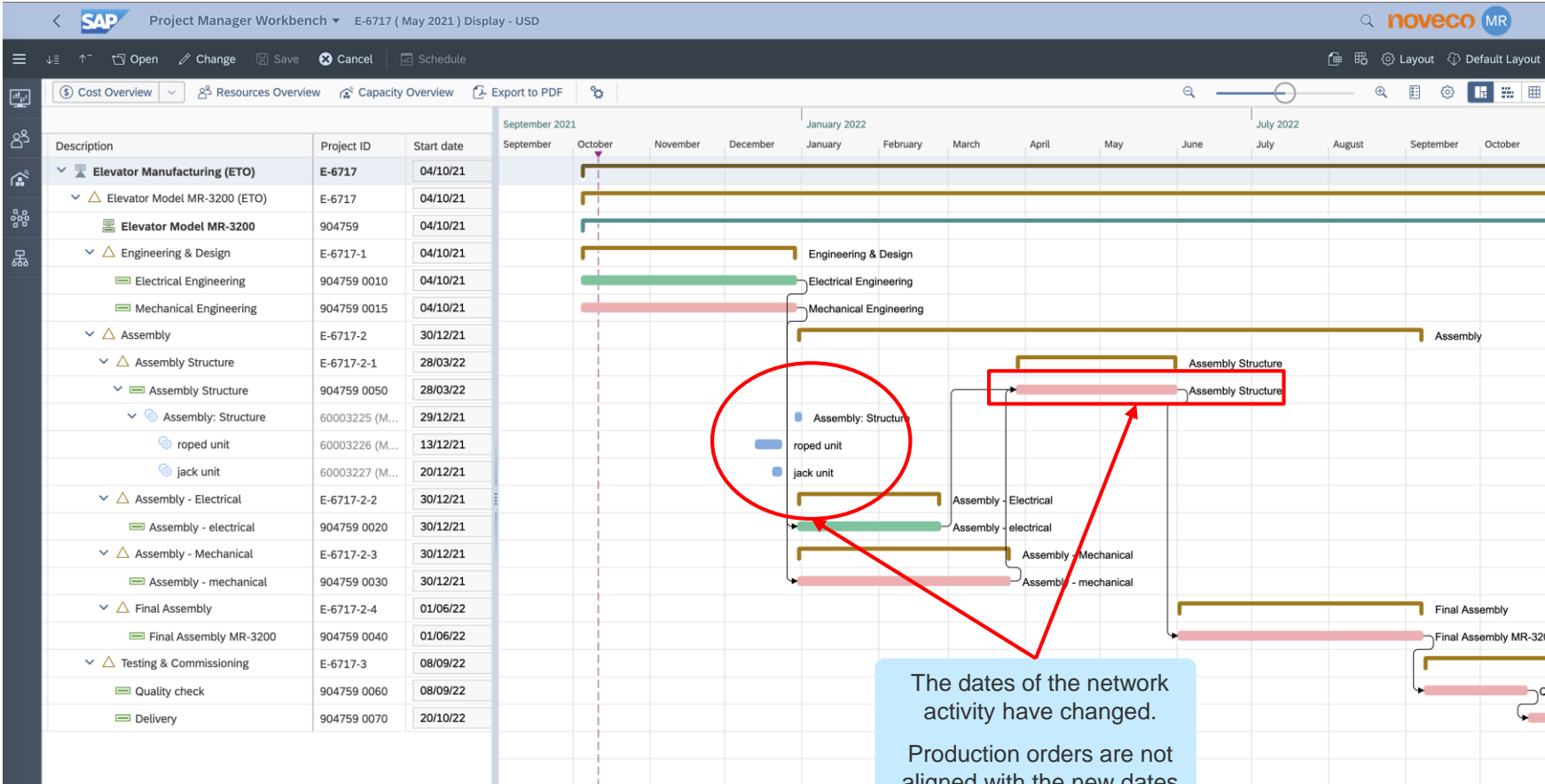
Noveco Project Manager Workbench

Project Structure: Description	Project ID	Exc...	Budg.Def.(...	Bud.Def.%	Current Budget	Estim.At Compl.
▼ Elevator Manufacturing (ETO)	E-6717	■	9,640	98.20	535,559	525,919
▼ ▲ Elevator Model MR-3200 (ETO)	E-6717	■	9,640	98.20	535,559	525,919
Elevator Model MR-3200	904759		0	0.00	0	0
> ▲ Engineering & Design	E-6717-1	■	0	100.00	58,900	58,900
▼ ▲ Assembly	E-6717-2	■	9,640	97.84	446,659	437,019
▼ ▲ Assembly Structure	E-6717-2-1	■	9,640	88.57	84,304	74,664
▼ Assembly Structure	904759 0050		0	0.00	0	0
▼ Assembly: Structure	60003225 (M-5000)		0	0.00	0	0
roped unit	60003226 (M-5200)		0	0.00	0	0
jack unit	60003227 (M-5100)		0	0.00	0	0
▼ ▲ Assembly - Electrical	E-6717-2-2	■	0	100.00		
Assembly - electrical	904759 0020		0	0.00		
▼ ▲ Assembly - Mechanical	E-6717-2-3	■	0	100.00		
Assembly - mechanical	904759 0030		0	0.00		
▼ ▲ Final Assembly	E-6717-2-4	■	0	100.00		
Final Assembly MR-3200	904759 0040		0	0.00		
> ▲ Testing & Commissioning	E-6717-3	■	0	100.00		

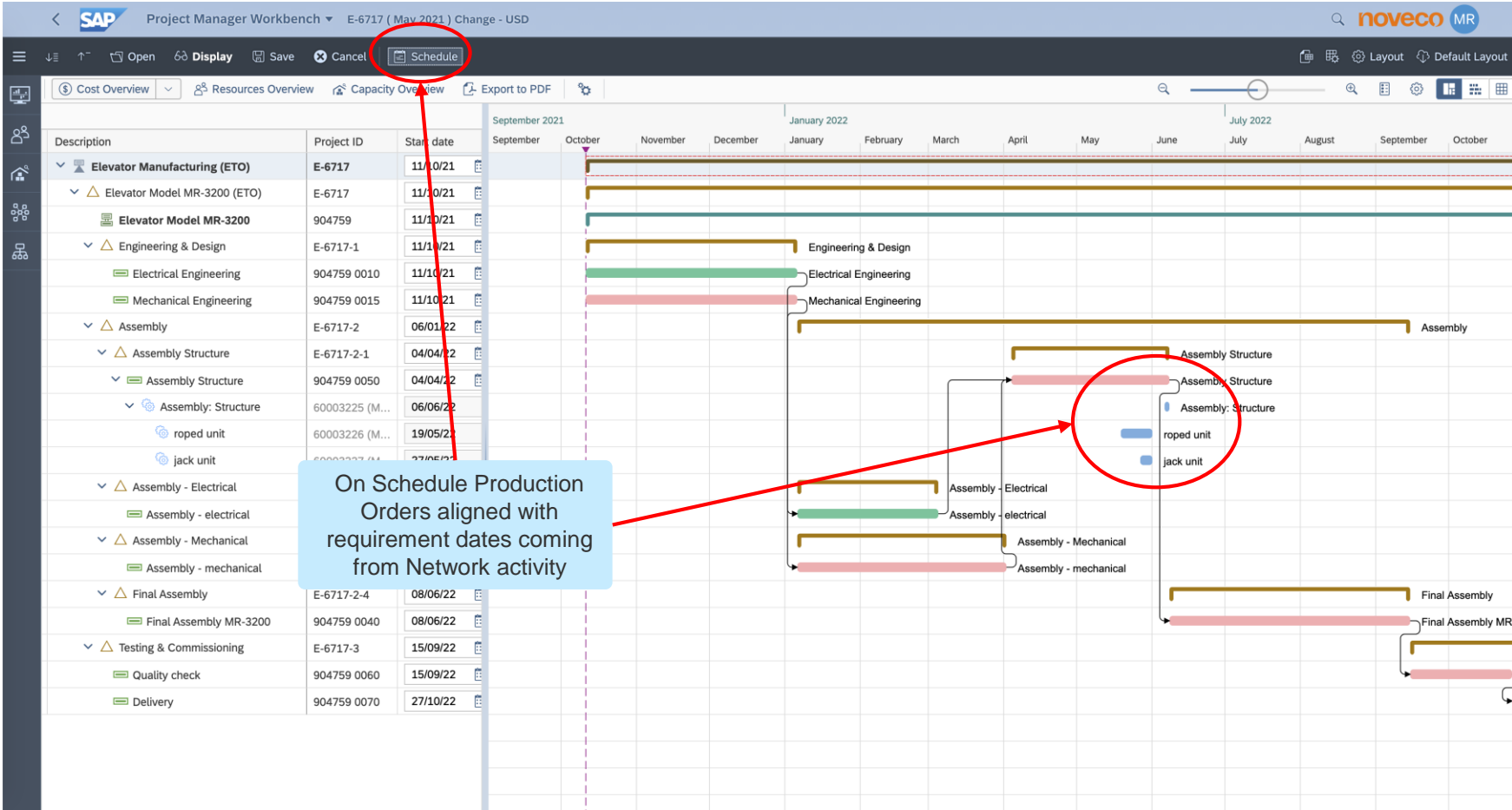
Since the material requirements are passed to MRP from Network Activities, the Noveco PMWB can peg Production or even planned orders to relevant Network activity (the account assignment to WBS is not changed)

This function will help us to control dates between network activities and production orders.

Project Scheduling with Fiori Gantt Chart



Project Scheduling with Fiori Gantt Chart



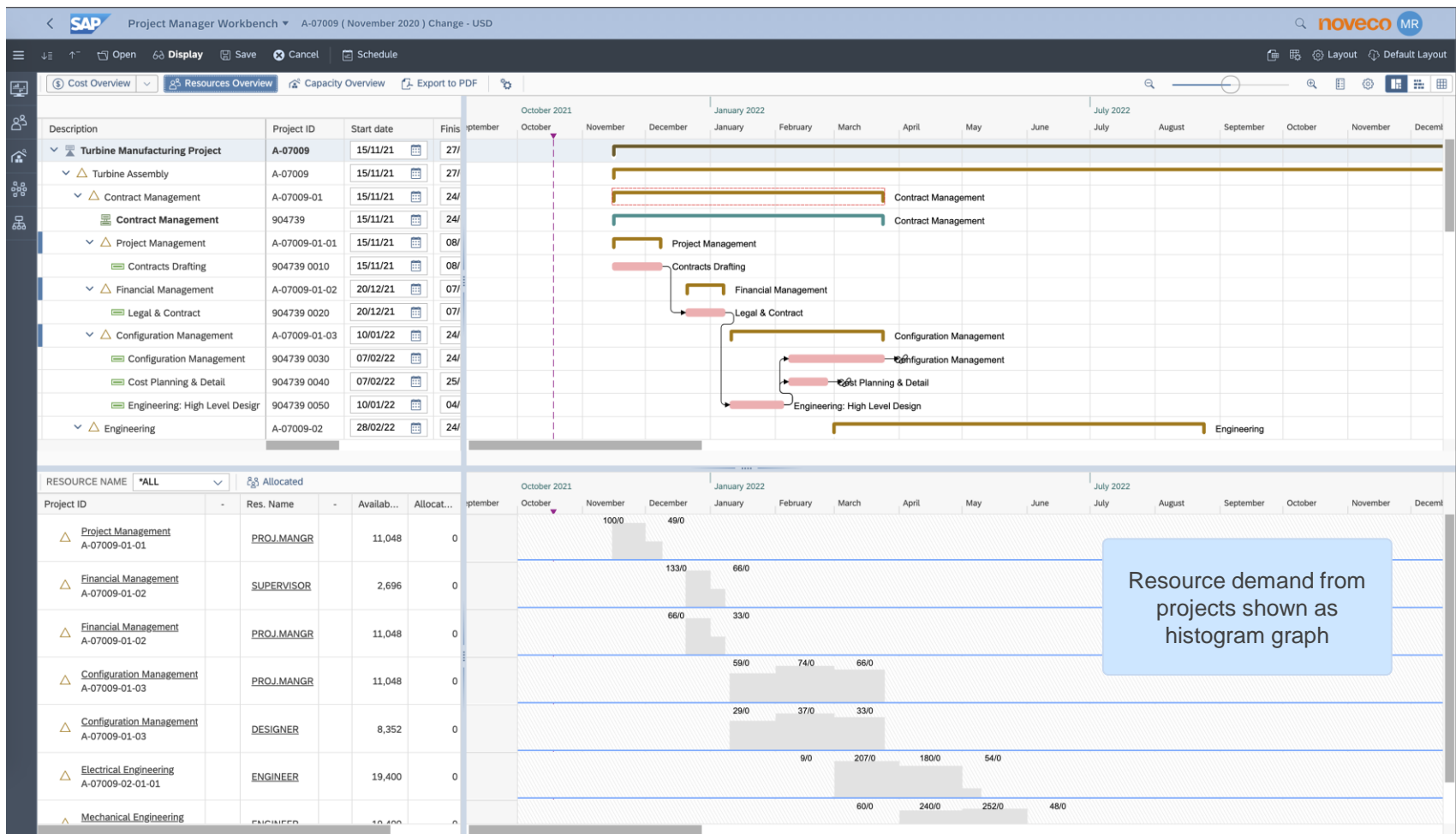
Resource Planning with the Gantt Chart

Resource Planning with Gantt Chart

The screenshot displays the SAP Project Manager Workbench interface. The top navigation bar shows the project name 'A-07009 (November 2020) Change - USD' and the 'Resources Overview' tab is selected. The left sidebar contains a hierarchical task list for the 'Turbine Manufacturing Project'. The main area is a Gantt chart showing task dependencies and resource requirements from October 2021 to December 2022. A blue callout box highlights the resource planning functionality.

Description	Project ID	Start date	Finis
Turbine Manufacturing Project	A-07009	15/11/21	27/
Turbine Assembly	A-07009	15/11/21	27/
Contract Management	A-07009-01	15/11/21	24/
Contract Management	904739	15/11/21	24/
Project Management	A-07009-01-01	15/11/21	08/
Contracts Drafting	904739 0010	15/11/21	08/
Financial Management	A-07009-01-02	20/12/21	07/
Legal & Contract	904739 0020	20/12/21	07/
Configuration Management	A-07009-01-03	10/01/22	24/
Configuration Management	904739 0030	07/02	
Cost Planning & Detail	904739 0040	07/02	
Engineering: High Level Design	904739 0050	10/01	
Engineering	A-07009-02	28/02	
Engineering and Design	904740	28/02	
Design Engineering	A-07009-02-01	28/02	
Electrical Engineering	A-07009-02-...	28/02	
Electrical design	904740 0010	28/02/22	25/
Electrical engineering	904740 0020	28/03/22	09/
Mechanical Engineering	A-07009-02-...	25/03/22	06/
Mechanical design	904740 0030	25/03/22	22/
Mechanical engineering	904740 0040	25/04/22	06/
Systems Engineering	A-07009-02-...	07/06/22	24/
Structural Design	904740 0050	07/06/22	27/
Structure Engineering	904740 0060	28/06/22	19/
System design	904740 0070	07/06/22	19/
System Engineering	904740 0080	20/07/22	24/
Turbine Assembly	A-07009-03	20/07/22	02/
Assembly	904741	20/07/22	02/
Electrical Assembly	904741 0010	20/07/22	08/
Mechanical Assembly	904741 0020	20/07/22	15/

Resource Planning with Gantt Chart



Resource Planning with Gantt Chart

SAP Project Manager Workbench - A-07009 (November 2020) Change - USD

novoco MR

Cost Overview | Resources Overview | Capacity Overview | Export to PDF

Project Hierarchy:

- Turbine Manufacturing Project (A-07009)
 - Turbine Assembly (A-07009)
 - Contract Management (A-07009-01)
 - Contract Management (904739)
 - Project Management (A-07009-01-01)
 - Contracts Drafting (904739 0010)
 - Financial Management
 - Legal & Contract
 - Configuration Management
 - Cost Planning & Detail
 - Engineering: High Level Design
 - Engineering

Timeline: October 2021, November, December, January 2022, February, March, April, May, June, July 2022, August, September, October, November, December

Resource Allocation Table:

| Project ID | Resource Name | Res. Name | Availab... | Allocat... |
|---|---------------|------------|------------|------------|
| Project Man A-07009-01 | DESIGNER | PROJ.MANGR | 11,048 | 0 |
| Project Man A-07009-01 | ELECTRICIAN | PROJ.MANGR | 11,048 | 0 |
| Financial M A-07009-01 | ENGINEER | SUPERVISOR | 2,696 | 0 |
| Financial M A-07009-01 | FITTER | SUPERVISOR | 2,696 | 0 |
| Financial M A-07009-01 | PROJ.MANGR | PROJ.MANGR | 11,048 | 0 |
| Financial M A-07009-01 | SUPERVISOR | PROJ.MANGR | 11,048 | 0 |
| Configuration Management A-07009-01-03 | PROJ.MANGR | PROJ.MANGR | 11,048 | 0 |
| Configuration Management A-07009-01-03 | DESIGNER | PROJ.MANGR | 11,048 | 0 |
| Configuration Management A-07009-01-03 | DESIGNER | PROJ.MANGR | 8,352 | 0 |
| Electrical Engineering A-07009-02-01-01 | ENGINEER | ENGINEER | 19,400 | 0 |
| Mechanical Engineering | ENGINEER | ENGINEER | 19,400 | 0 |

RESOURCES: DESIGNER, ELECTRICIAN, ENGINEER, FITTER, PROJ.MANGR, SUPERVISOR

Allocated

Timeline: October 2021, November, December, January 2022, February, March, April, May, June, July 2022, August, September, October, November, December

Resource Usage Data:

- DESIGNER: 100/0 (Nov), 49/0 (Dec)
- ELECTRICIAN: 133/0 (Nov), 66/0 (Dec)
- ENGINEER: 66/0 (Nov), 33/0 (Dec)
- FITTER: 59/0 (Jan), 74/0 (Feb), 66/0 (Mar)
- PROJ.MANGR: 29/0 (Jan), 37/0 (Feb), 33/0 (Mar)
- SUPERVISOR: 9/0 (Feb), 207/0 (Mar), 180/0 (Apr), 54/0 (May)
- Configuration Management: 60/0 (Apr), 240/0 (May), 252/0 (Jun), 48/0 (Jul)

You can choose a specific resource name from drop-down list

Resource Planning with Gantt Chart

SAP Project Manager Workbench | A-07009 (November 2020) Change - USD | novoco MR

Cost Overview | Resources Overview | Capacity Overview | Export to PDF

| Description | Project ID | Start date | Finis |
|---------------------------------|---------------|------------|-------|
| ▼ Turbine Manufacturing Project | A-07009 | 15/11/21 | 27/ |
| ▼ Turbine Assembly | A-07009 | 15/11/21 | 27/ |
| ▼ Contract Management | A-07009-01 | 15/11/21 | 24/ |
| Contract Management | 904739 | 15/11/21 | 24/ |
| ▼ Project Management | A-07009-01-01 | 15/11/21 | 08/ |
| Contracts Drafting | 904739 0010 | 15/11/21 | 08/ |
| ▼ Financial Management | A-07009-01-02 | 20/12/21 | 07/ |
| Legal & Contract | 904739 0020 | 20/12/21 | 07/ |
| ▼ Configuration Management | A-07009-01-03 | 10/01/22 | 24/ |
| Configuration Management | 904739 0030 | 07/02/22 | 24/ |
| Cost Planning & Detail | 904739 0040 | 07/02/22 | 25/ |
| Engineering: High Level Design | 904739 0050 | 10/01/22 | 04/ |
| ▼ Engineering | A-07009-02 | 28/02/22 | 24/ |

RESOURCE NAME: PROJ.MANGR | Allocated

| Project ID | Res. Name | Availab... | Allocat... |
|---|------------|------------|------------|
| ▲ Project Management
A-07009-01-01 | PROJ.MANGR | 11,048 | 0 |
| ▲ Financial Management
A-07009-01-02 | PROJ.MANGR | 11,048 | 0 |
| ▲ Configuration Management
A-07009-01-03 | PROJ.MANGR | 11,048 | 0 |

Click on Project element (WBS or Network activity)

Resource Planning with Gantt Chart

The screenshot displays the SAP Project Manager Workbench interface for a project named 'Turbine Manufacturing Project' (ID: A-07009). The left sidebar shows a hierarchical tree of WBS elements, including 'Turbine Assembly', 'Contract Management', 'Project Management', 'Contracts Drafting', 'Financial Management', 'Legal & Contract', 'Configuration Management', 'Configuration Management', 'Cost Planning & Detail', 'Engineering: High Level Design', and 'Engineering'. The main area features a Gantt chart showing task durations from October 2021 to December 2022. A callout box points to a person icon on the 'Project Management' task, stating: 'The icon indicates that resources are allocated to the WBS element'. Below the Gantt chart is a resource grid. The grid lists resources: 'Heinrich Hirth', 'Cedric Pearce', 'Jimmy Buffett', and 'Irwin Fletcher'. The 'Heinrich Hirth' row is highlighted with a red box, and a callout box explains: 'By selecting a check-box against a person you can allocate resource to the project element'. The grid shows resource availability and allocation for each month from October 2021 to December 2022.

| Project ID | Res. Name | Availab... | Allocat... | October 2021 | November | December | January 2022 | February | March | April | May | June | July 2022 | August | September | October | November | December |
|-------------------------------------|------------|------------|------------|--------------|----------|----------|--------------|----------|-------|-------|-----|------|-----------|--------|-----------|---------|----------|----------|
| Project Management
A-07009-01-01 | PROJ.MANGR | 11,048 | 150 | | 100/100 | 49/49 | | | | | | | | | | | | |
| Heinrich Hirth | PROJ.MANGR | 2,696 | 150 | 168 | 60 | 127 | 160 | 152 | 184 | 160 | 168 | 176 | 160 | 184 | 176 | 168 | 160 | 176 |
| Cedric Pearce | PROJ.MANGR | 2,784 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 | 168 | 184 | 176 | 168 | 176 | 176 |
| Jimmy Buffett | PROJ.MANGR | 2,784 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 | 168 | 184 | 176 | 168 | 176 | 176 |
| Irwin Fletcher | PROJ.MANGR | 2,784 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 | 168 | 184 | 176 | 168 | 176 | 176 |

Resource Planning with Gantt Chart

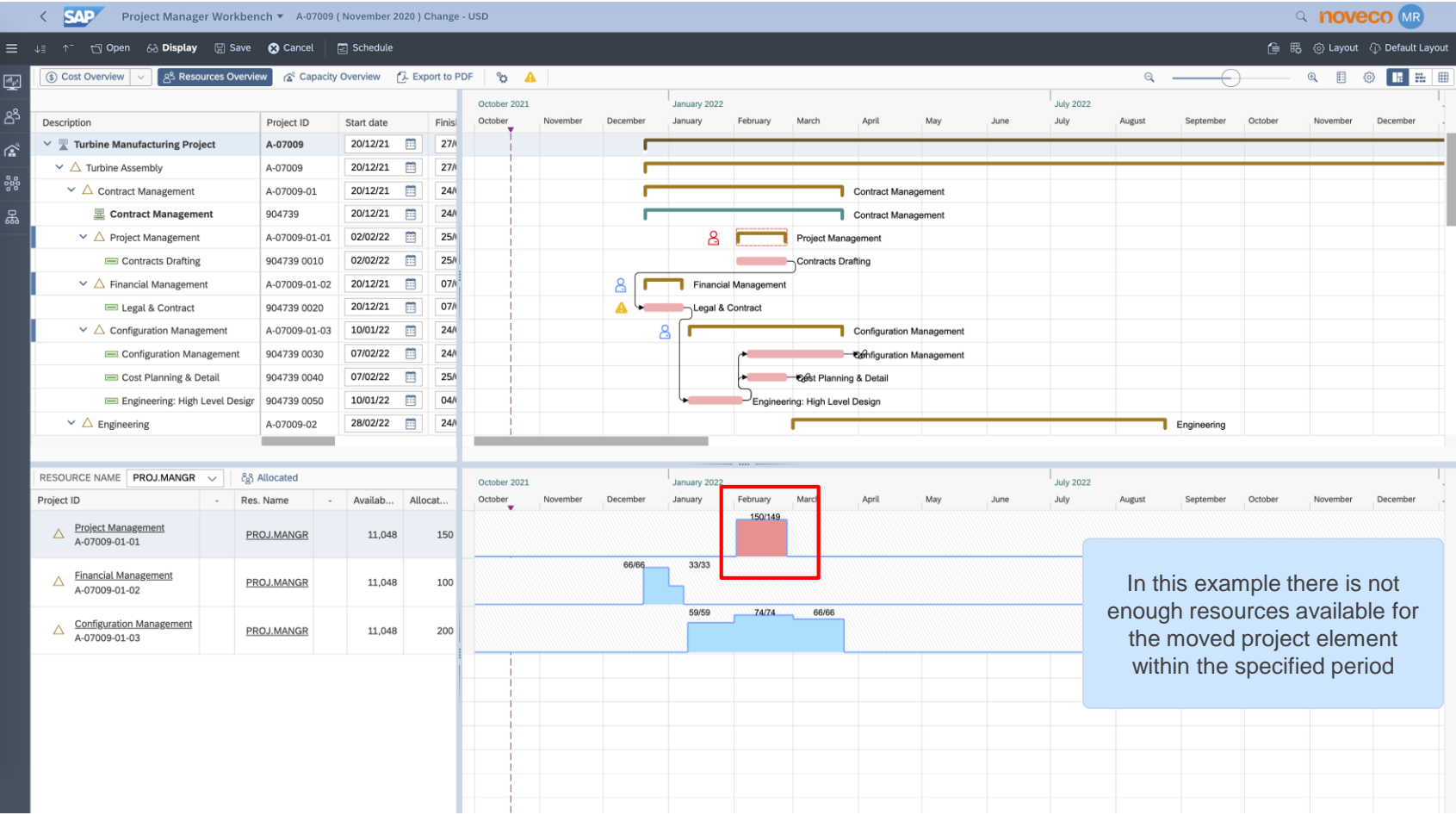
The screenshot displays the SAP Project Manager Workbench interface for a project named 'Turbine Manufacturing Project' (ID: A-07009). The left pane shows a hierarchical tree of project elements, including 'Contract Management', 'Project Management', 'Contracts Drafting', 'Financial Management', 'Legal & Contract', 'Configuration Management', 'Configuration Management', 'Cost Planning & Detail', 'Engineering: High Level Design', and 'Engineering'. The right pane shows a Gantt chart for resource planning, with a time axis from October 2021 to December 2022. A red dashed box highlights the 'Project Management' element, and a red arrow indicates it being dragged along the time axis.

| Description | Project ID | Start date | Finis |
|--------------------------------|---------------|------------|-------|
| Turbine Manufacturing Project | A-07009 | 15/11/21 | 27/ |
| Turbine Assembly | A-07009 | 15/11/21 | 27/ |
| Contract Management | A-07009-01 | 15/11/21 | 24/ |
| Contract Management | 904739 | 15/11/21 | 24/ |
| Project Management | A-07009-01-01 | 15/11/21 | 08/ |
| Contracts Drafting | 904739 0010 | 15/11/21 | 08/ |
| Financial Management | A-07009-01-02 | 20/12/21 | 07/ |
| Legal & Contract | 904739 0020 | 20/12/21 | 07/ |
| Configuration Management | A-07009-01-03 | 10/01/22 | 24/ |
| Configuration Management | 904739 0030 | 07/02/22 | 24/ |
| Cost Planning & Detail | 904739 0040 | 07/02/22 | 25/ |
| Engineering: High Level Design | 904739 0050 | 10/01/22 | 04/ |
| Engineering | A-07009-02 | 28/02/22 | 24/ |

| Project ID | Res. Name | Availab... | Allocat... |
|---|------------|------------|------------|
| Project Management
A-07009-01-01 | PROJ.MANGR | 11,048 | 150 |
| Financial Management
A-07009-01-02 | PROJ.MANGR | 11,048 | 100 |
| Configuration Management
A-07009-01-03 | PROJ.MANGR | 11,048 | 200 |

You can drag & drop project elements along the time axis

Resource Planning with Gantt Chart



Resource Planning with Gantt Chart

SAP Project Manager Workbench | A-07009 (November 2020) Change - USD | novoco MR

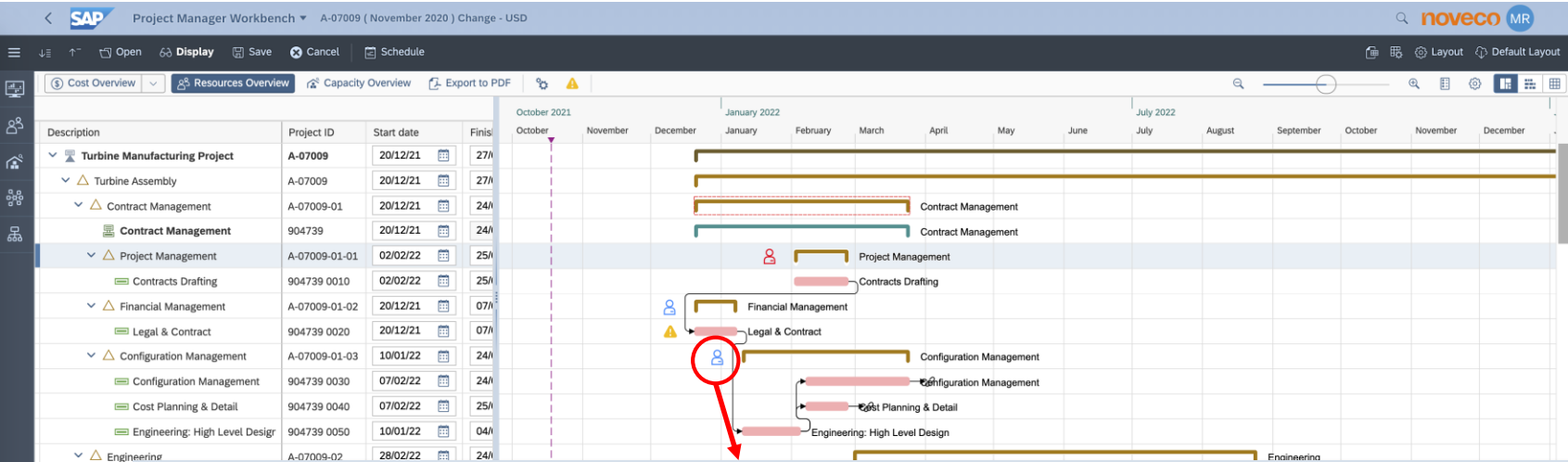
Cost Overview | Resources Overview | Capacity Overview | Export to PDF

| Description | Project ID | Start date | Finish |
|---------------------------------|---------------|------------|---------|
| ▼ Turbine Manufacturing Project | A-07009 | 20/12/21 | 27/1/22 |
| ▼ Turbine Assembly | A-07009 | 20/12/21 | 27/1/22 |
| ▼ Contract Management | A-07009-01 | 20/12/21 | 24/1/22 |
| Contract Management | 904739 | 20/12/21 | 24/1/22 |
| ▼ Project Management | A-07009-01-01 | 02/02/22 | 25/1/22 |
| Contracts Drafting | 904739 0010 | 02/02/22 | 25/1/22 |
| ▼ Financial Management | A-07009-01-02 | 20/12/21 | 07/1/22 |
| Legal & Contract | 904739 0020 | 20/12/21 | 07/1/22 |
| ▼ Configuration Management | A-07009-01-03 | 10/01/22 | 24/1/22 |
| Configuration Management | 904739 0030 | 07/02/22 | 24/1/22 |
| Cost Planning & Detail | 904739 0040 | 07/02/22 | 25/1/22 |
| Engineering: High Level Design | 904739 0050 | 10/01/22 | 04/2/22 |
| ▼ Engineering | A-07009-02 | 28/02/22 | 24/1/22 |

| RESOURCE NAME | PROJ.MANGR | Allocated |
|----------------------|-------------------------------------|------------|
| Project ID | - | Res. Name |
| ▼ Project Management | A-07009-01-01 | PROJ.MANGR |
| Heinrich Hirth | <input checked="" type="checkbox"/> | PROJ.MANGR |
| Cedric Pearce | <input type="checkbox"/> | PROJ.MANGR |
| Jimmy Buffett | <input type="checkbox"/> | PROJ.MANGR |
| Irwin Fletcher | <input type="checkbox"/> | PROJ.MANGR |

| Project ID | Res. Name | Availab... | Allocat... |
|----------------------|------------|------------|------------|
| ▼ Project Management | PROJ.MANGR | 11,048 | 150 |
| Heinrich Hirth | PROJ.MANGR | 2,696 | 450 |
| Cedric Pearce | PROJ.MANGR | 2,784 | |
| Jimmy Buffett | PROJ.MANGR | 2,784 | |
| Irwin Fletcher | PROJ.MANGR | 2,784 | |

Resource Planning with Gantt Chart



A-07009-01-03 Configuration Management

| RESOURCE NAME | Project ID | Rate | Person | Price | Total | Jan`22 | Feb`22 | Mar`22 |
|--------------------|---------------|------|------------------------------|-------|-------|--------|--------|--------|
| Project Management | A-07009-01-03 | 150 | Heinrich Hirth
PROJ.MANGR | 0 | 200 | 59 | 74 | 67 |
| Legal & Contract | A-07009-01-03 | 85 | Mr. Nick Smith
DESIGNER | 0 | 100 | 30 | 37 | 33 |

Resource Planning with Gantt Chart

The screenshot displays the SAP Project Manager Workbench interface for a project named 'Turbine Manufacturing Project'. The top navigation bar includes the SAP logo, project details (A-07009), and user information (novenco MR). Below the navigation bar, there are tabs for 'Cost Overview', 'Resources Overview', 'Capacity Overview', and 'Export to PDF'. The main area is divided into a task list table on the left and a Gantt chart on the right.

The task list table has the following columns: Description, Project ID, Start date, Finish, and a grid for months from October 2021 to December 2022. The tasks are organized into a hierarchy starting with 'Turbine Manufacturing Project' and including sub-tasks like 'Turbine Assembly', 'Contract Management', 'Project Management', 'Financial Management', 'Configuration Management', 'Engineering', 'Design Engineering', 'Mechanical Engineering', 'Systems Engineering', and 'Assembly'.

The Gantt chart visualizes the project schedule with horizontal bars representing task durations. The bars are color-coded: yellow for high-level tasks, blue for sub-tasks, and red for detailed tasks. A red arrow points from the 'Resources Overview' button in the navigation menu to a blue callout box that says 'You can switch to a different view'.

| Description | Project ID | Start date | Finish |
|--------------------------------|------------------|------------|---------|
| Turbine Manufacturing Project | A-07009 | | |
| Turbine Assembly | A-07009 | | |
| Contract Management | A-07009 | | |
| Contract Management | 904739 | | |
| Project Management | A-07009 | | |
| Contracts Drafting | 904739 | | |
| Financial Management | A-07009-01-02 | 20/12/21 | 07/1/22 |
| Legal & Contract | 904739 0020 | 20/12/21 | 07/1/22 |
| Configuration Management | A-07009-01-03 | 10/01/22 | 24/1/22 |
| Configuration Management | 904739 0030 | 07/02/22 | 24/1/22 |
| Cost Planning & Detail | 904739 0040 | 07/02/22 | 25/1/22 |
| Engineering: High Level Design | 904739 0050 | 10/01/22 | 04/2/22 |
| Engineering | A-07009-02 | 28/02/22 | 24/1/22 |
| Engineering and Design | 904740 | 28/02/22 | 24/1/22 |
| Design Engineering | A-07009-02-01 | 28/02/22 | 24/1/22 |
| Electrical Engineering | A-07009-02-01-01 | 28/02/22 | 09/2/22 |
| Electrical design | 904740 0010 | 28/02/22 | 25/1/22 |
| Electrical engineering | 904740 0020 | 28/03/22 | 09/2/22 |
| Mechanical Engineering | A-07009-02-01-02 | 25/03/22 | 06/2/22 |
| Mechanical design | 904740 0030 | 25/03/22 | 22/2/22 |
| Mechanical engineering | 904740 0040 | 25/04/22 | 06/2/22 |
| Systems Engineering | A-07009-02-01-03 | 07/06/22 | 24/2/22 |
| Structural Design | 904740 0050 | 07/06/22 | 27/2/22 |
| Structure Engineering | 904740 0060 | 28/06/22 | 19/2/22 |
| System design | 904740 0070 | 07/06/22 | 19/2/22 |
| System Engineering | 904740 0080 | 20/07/22 | 24/2/22 |
| Turbine Assembly | A-07009-03 | 20/07/22 | 02/3/22 |
| Assembly | 904741 | 20/07/22 | 02/3/22 |
| Electrical Assembly | 904741 0010 | 20/07/22 | 08/3/22 |
| Mechanical Assembly | 904741 0020 | 20/07/22 | 15/3/22 |

Resource Planning with Gantt Chart

SAP Project Manager Workbench | A-07009 (November 2020) Change - USD | novoco MR

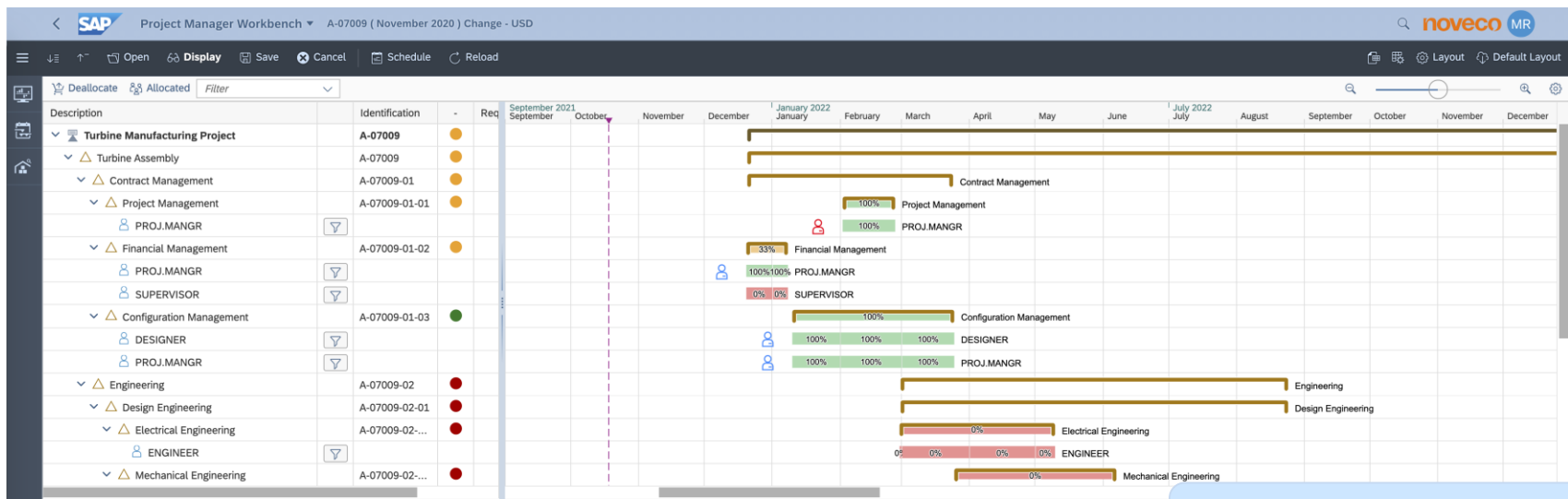
Display Save Cancel Schedule Reload

Deallocate Allocated **PROJ.MANGR X**

Select specific resource name to see its status across the entire project

| Project ID | Res. Name | Identification | Avail. | September 2021 | October | November | December | January 2022 | February | March | April | May | June | July 2022 | August | September | October | November | December |
|------------------|------------|----------------|--------|----------------|---------|----------|----------|--------------|----------|-------|-------|-----|------|-----------|--------|-----------|---------|----------|----------|
| Mr Mark Lloyd | | 10900 | 2 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 | 168 | 184 | 176 | 168 | 176 | 176 |
| Mrs Ellen Peters | | 10807 | 2 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 | 168 | 184 | 176 | 168 | 176 | 176 |
| Heinrich Hirth | PROJ.MANGR | 1248 | 2 | | 168 | 160 | 109 | 67 | -72 | 117 | 160 | 168 | 176 | 160 | 184 | 176 | 168 | 160 | 176 |
| Cedric Pearce | PROJ.MANGR | 100359 | 2 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 | 168 | 184 | 176 | 168 | 176 | 176 |
| Jimmy Buffett | PROJ.MANGR | 100998 | 2 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 | 168 | 184 | 176 | 168 | 176 | 176 |
| Inwin Fletcher | PROJ.MANGR | 100999 | 2 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 | 168 | 184 | 176 | 168 | 176 | 176 |

Resource Planning with Gantt Chart



| Project ID | Res. Name | Identification | Avail | September | October | November | December | January | February | March | April | May | June |
|--------------------|-------------|----------------|-------|-----------|---------|----------|----------|---------|----------|-------|-------|-----|------|
| Mr Mark Lloyd | | 10900 | 2 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 |
| Mrs Ellen Peters | | 10807 | 2 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 |
| Mr. Nick Smith | DESIGNER | 900001 | 2 | | 168 | 176 | 184 | 138 | 123 | 151 | 168 | 176 | 176 |
| Mr. Benjamin Lang | DESIGNER | 900051 | 2 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 |
| Ms. Joanne Procter | DESIGNER | 900053 | 2 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 |
| Susan James | DRAFTSMEN | 10075 | 2 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 |
| Norm Peterson | DRAFTSMEN | 100352 | 2 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 |
| Tim Allen | ELECTRICIAN | 415211 | 2 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 |
| Mrs Bianca Bertley | ENGINEER | 10950 | 2 | | 118 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 |
| Waltraud Badner | ENGINEER | 1323 | 2 | | 92 | 84 | 176 | 160 | 152 | 184 | 160 | 168 | 176 |
| Charles Brown | ENGINEER | 100353 | 2 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 |
| Rebecca Gapp | ENGINEER | 100355 | 2 | | 168 | 106 | 84 | 68 | 130 | 184 | 168 | 176 | 176 |
| Bill Thornton | ENGINEER | 100357 | 2 | | 168 | 176 | 184 | 168 | 160 | 184 | 168 | 176 | 176 |

With Noveco Gantt Chart Resource plan you can:

- Schedule project
- Change start / finish dates & duration
- Review resource availability across entire project
- Simulate resource availability
- Take into account already allocated resources to other projects

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