

Project Schedule Example

version 0.1en
author: Hubert Chylewski
date: 30.09.2023

Summary

Why is a schedule necessary in every project?

According to PMI research, half of the projects end up delayed and over budget. However, the Schedule is the only tool that allows planning and continuous monitoring of the calculated most probable project completion date.

A schedule is essential regardless of the chosen methodology and project management practices, whether conducted sequentially or iteratively (agile). The level of detail in the Schedule and the necessary views should be tailored to the specifics of the selected project management methodology.

A schedule will enable you to:

1. Calculate a credible project completion date and total costs
2. Control the timing and costs of individual stages
3. Reduce and optimize the project's time and costs

Document Objective

This document is a collection of presentations of a sample IT project schedule. The Schedule describes a real project, but some data has been altered to protect sensitive client and project information.

All presentations illustrate a single project. Each presentation has its application for displaying different aspects of the project and contains an appropriate level of detail tailored to various Schedule presentation recipients. For example, the "Management Summary" is a high-level presentation that only depicts three values: start, end, and project cost.

The project consisted of two phases:

1. Deploying an ISP's (Internet Network Provider) network monitoring platform.
2. Developing an application that displayed several key parameters calculated from the monitored network data.

Most of the Schedule's presentations included in this document were prepared using Microsoft Project Online software. The document provides a sample list of presentations useful for a project of a certain size and complexity. For more extensive projects with more resources, various ways of contractor settlement, and a higher number of parallel tasks, the preparation and use of additional schedule views during project management should be considered.

For less complex projects, you can forego most of the included views and prepare the Schedule using simpler, cheaper, or even free tools, such as onlinegantt.com.

The document contains the following schedule view

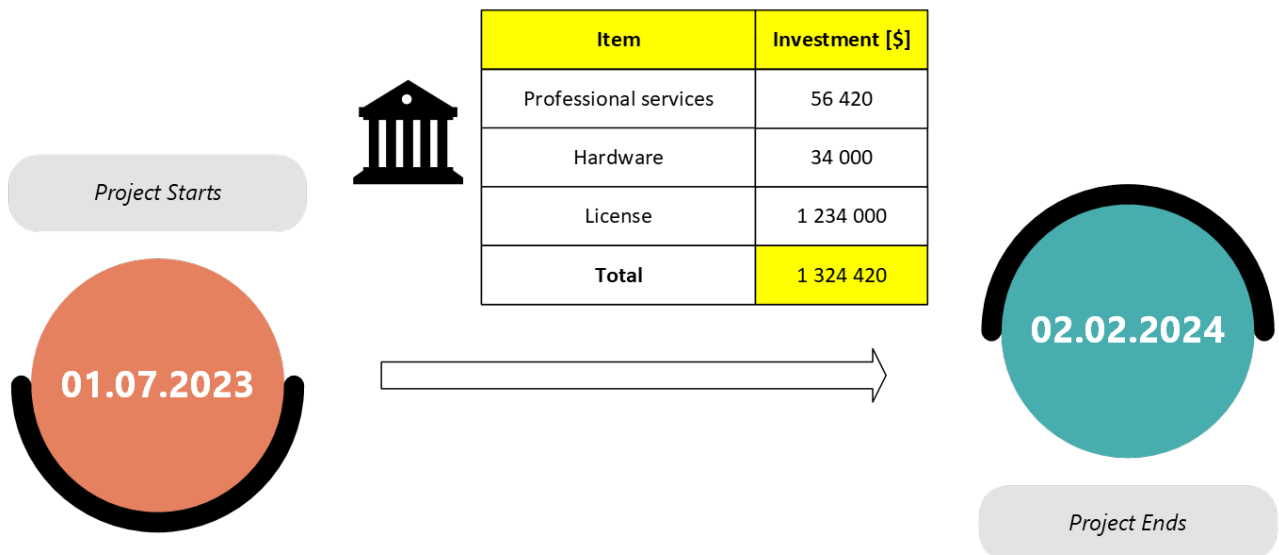
- | | |
|---------------------------|-----------------------------------|
| 1. Management Summary | 7. Resource Planning |
| 2. Milestones | 8. Resource Utilization Summary |
| 3. Timeline | 9. Detailed Resource Utilization |
| 4. Task List | 10. Resource Cost Breakdown |
| 5. Gantt Chart | 11. Resource Utilization Planning |
| 6. Critical Path of Tasks | |

Schedule Model Presentations

1. Executive Summary

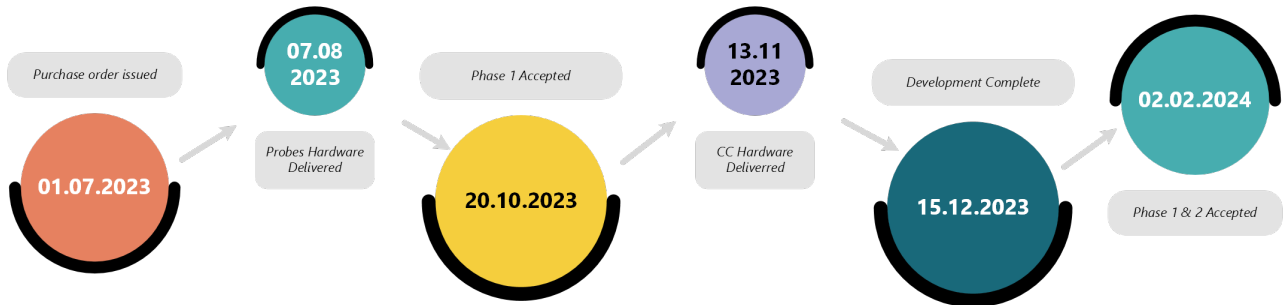
The presentation with the highest level of generality is intended for the top management and the sponsor. It presents the project's start, planned end date, and the summarized project costs.

Although this may seem like the most straightforward schedule presentation, it can only be prepared at the very end of the schedule model development process. The project end date and costs are precise derivatives of the results of analyses from detailed schedule presentations, such as resource planning and confirmation of the project's critical path.



2. Milestones

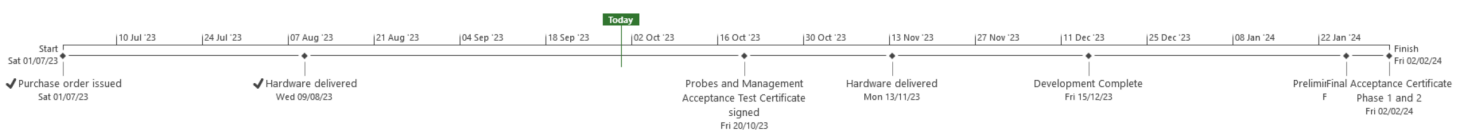
The Milestones Presentation illustrates the most significant stages of the project. This view is intended for the Management Team and most of the project team members. The cost burden or increased risks of individual phases can be illustrated by the size of individual milestones.



3. Timeline

Similar to milestones, it presents only the main stages of the project, but additionally illustrates the timeline of each project phase proportionally.

The timeline proportionally represents the duration of individual phases, but it doesn't necessarily reflect the difficulty of completing each stage.



4. Task list

The table presents all project tasks broken down into well-managed task packages. The granularity of task breakdown depends on the project's nature. The table provides start and end dates, task durations in days, and the resources responsible for each task. Most tasks are grouped logically. Task grouping simplifies the project plan view by one level of detail higher. Using interactive schedule planning tools, the tools automatically aggregate the parameters of individual tasks and calculate completion dates, durations, and current completion percentages for task groups.

		Task Name	Duration	Start	Finish	Account	Resource Names	Predec	Free Slack	%
1		Phase 1 - Probes	79.5 days	Sat 01/07/23	Fri 20/10/23				40 days	
2	<input checked="" type="checkbox"/>	Purchase order issued	0 days	Sat 01/07/23	Sat 01/07/23	ISP			0 days	
3	<input checked="" type="checkbox"/>	Design and preparation	28 days	Mon 03/07/23	Wed 09/08/23				0 days	
4	<input checked="" type="checkbox"/>	Project Kick Off Meeting	1 day	Mon 10/07/23	Mon 10/07/23	Vendor	PM-Integrator,PM-ISP,PM-V	2FS+5 day	0 days	
5	<input checked="" type="checkbox"/>	Prepare System Design Documentation	3 days	Mon 03/07/23	Wed 05/07/23	Vendor	Architect-Vendor	2	0 days	
6	<input checked="" type="checkbox"/>	Physical Resources Documentation preparation	3 days	Tue 11/07/23	Thu 13/07/23	Vendor	Engineer Support-Vendor,I	5,4	0 days	
7	<input checked="" type="checkbox"/>	Order Hardware	2 days	Fri 14/07/23	Mon 17/07/23	Vendor	PM-Vendor	2,6	0 days	
8	<input checked="" type="checkbox"/>	Hardware delivery	16 days	Tue 18/07/23	Tue 08/08/23	Vendor	PM-Vendor	7	0 days	
9	<input checked="" type="checkbox"/>	Hardware Signed off	1 day	Wed 09/08/23	Wed 09/08/23	ISP	PM-ISP	8	0 days	
10	<input checked="" type="checkbox"/>	Hardware delivered	0 days	Wed 09/08/23	Wed 09/08/23			9	0 days	
11	<input checked="" type="checkbox"/>	IP Address Allocation	0.5 days	Fri 14/07/23	Fri 14/07/23	ISP	Network Specialist-ISP	6	0 days	
12	<input checked="" type="checkbox"/>	IP Address Documentation	0.5 days	Fri 14/07/23	Fri 14/07/23	ISP	Network Specialist-ISP	6	0 days	
13	<input checked="" type="checkbox"/>	Updated Detailed Design	1 day	Fri 14/07/23	Mon 17/07/23	Vendor	Engineer Support-Vendor	12,6	0 days	
14	<input checked="" type="checkbox"/>	Probe Test Book Draft Version	2 days	Mon 17/07/23	Wed 19/07/23	Vendor	Engineer Support-Vendor	13	0 days	
15	<input checked="" type="checkbox"/>	Probe Test Book Sign off	1 day	Wed 19/07/23	Thu 20/07/23	ISP	Engineer Support-Vendor,I	14	0 days	
16	<input checked="" type="checkbox"/>	Site Survey - power, space and cabling Enviroment	7.5 days	Mon 17/07/23	Wed 26/07/23				0 days	
17	<input checked="" type="checkbox"/>	Management Server, Probe 1 - Hannover	1 day	Mon 17/07/23	Tue 18/07/23	Integrator	Installation Engineer-Integr	13	0 days	
18	<input checked="" type="checkbox"/>	Probe 2 - Berlin	1 day	Thu 20/07/23	Fri 21/07/23	Integrator	Installation Engineer-Integr	13	0 days	
19	<input checked="" type="checkbox"/>	Probe 3 - Munchen	2 days	Fri 21/07/23	Tue 25/07/23	Integrator	Installation Engineer-Integr	13	0 days	
20	<input checked="" type="checkbox"/>	Probe 4 - Essen	2 days	Mon 24/07/23	Tue 25/07/23	Integrator	Installation Engineer-Integr	13	0 days	
21	<input checked="" type="checkbox"/>	Site Design Documentation Update	1 day	Wed 26/07/23	Wed 26/07/23	Integrator	Installation Engineer-Integr	17,18,19,2	0 days	
22	<input checked="" type="checkbox"/>	Installation	13.5 days	Thu 10/08/23	Tue 29/08/23				0 days	
23	<input checked="" type="checkbox"/>	Management Server - Hannover	1.5 days	Thu 10/08/23	Fri 11/08/23			21,10	0 days	
24	<input checked="" type="checkbox"/>	Install server	0.5 days	Thu 10/08/23	Thu 10/08/23	Integrator	Installation Engineer-Integr	0	0 days	
25	<input checked="" type="checkbox"/>	Cabling	1 day	Thu 10/08/23	Fri 11/08/23	Integrator	Installation Engineer-Integr	24	0 days	
26	<input checked="" type="checkbox"/>	Probe 1 - Hannover	2.5 days	Fri 11/08/23	Tue 15/08/23			21,10	0 days	
27	<input checked="" type="checkbox"/>	TAP installation	1 day	Fri 11/08/23	Mon 14/08/23		Installation Engineer-Integr		0 days	
28	<input checked="" type="checkbox"/>	Install Probe	0.5 days	Mon 14/08/23	Mon 14/08/23	Integrator	Installation Engineer-Integr		0 days	
29	<input checked="" type="checkbox"/>	Cabling	1 day	Tue 15/08/23	Tue 15/08/23	Integrator	Installation Engineer-Integr	28,27	0 days	
30	<input checked="" type="checkbox"/>	Probe 2 - Berlin	2.5 days	Wed 16/08/23	Fri 18/08/23			21,10	0 days	
31	<input checked="" type="checkbox"/>	TAP Installation	1 day	Wed 16/08/23	Wed 16/08/23	Integrator	Installation Engineer-Integr		0 days	
32	<input checked="" type="checkbox"/>	Install Probe	0.5 days	Thu 17/08/23	Thu 17/08/23	Integrator	Installation Engineer-Integr		0 days	
33	<input checked="" type="checkbox"/>	Cabling	1 day	Thu 17/08/23	Fri 18/08/23	Integrator	Installation Engineer-Integr	31,32	0 days	
34	<input checked="" type="checkbox"/>	Probe 3 - Munchen	3 days	Fri 18/08/23	Wed 23/08/23			21,10	0 days	
35	<input checked="" type="checkbox"/>	TAP installation	1 day	Fri 18/08/23	Mon 21/08/23	Integrator	Installation Engineer-Integr		0 days	
36	<input checked="" type="checkbox"/>	Install Probe	1 day	Mon 21/08/23	Tue 22/08/23	Integrator	Installation Engineer-Integr		0 days	
37	<input checked="" type="checkbox"/>	Cabling	1 day	Tue 22/08/23	Wed 23/08/23	Integrator	Installation Engineer-Integr	35,36	0 days	
38	<input checked="" type="checkbox"/>	Probe 4 - Essen	3 days	Wed 23/08/23	Mon 28/08/23			21,10	0 days	
39	<input checked="" type="checkbox"/>	TAP installation	1 day	Wed 23/08/23	Thu 24/08/23	Integrator	Installation Engineer-Integr		0 days	
40	<input checked="" type="checkbox"/>	Install Probe	1 day	Thu 24/08/23	Fri 25/08/23	Integrator	Installation Engineer-Integr		0 days	
41	<input checked="" type="checkbox"/>	Cabling	1 day	Fri 25/08/23	Mon 28/08/23	Integrator	Installation Engineer-Integr	39,40	0 days	
42	<input checked="" type="checkbox"/>	Post Installation Site Documentation	1 day	Mon 28/08/23	Tue 29/08/23	Integrator	Installation Engineer-Integr	23,26,30,3	0 days	
43	<input checked="" type="checkbox"/>	Probes Configuration	18 days	Tue 29/08/23	Fri 22/09/23				0 days	
44	<input checked="" type="checkbox"/>	Configuration of Probes and TAPs	10 days	Tue 29/08/23	Tue 12/09/23	Vendor	Installation Engineer-Integr	23,26,30,3	0 days	
45	<input checked="" type="checkbox"/>	Post delivery documentation	5 days	Tue 12/09/23	Tue 19/09/23	Vendor	Installation Engineer-Integr	44	0 days	
46	<input checked="" type="checkbox"/>	Vendor Testing	3 days	Tue 19/09/23	Fri 22/09/23	Vendor	Installation Engineer-Integr	44	0 days	
47	<input checked="" type="checkbox"/>	Probes and Management Server Testing	15 days	Fri 22/09/23	Fri 13/10/23				45 days	
48	<input checked="" type="checkbox"/>	Ready for Acceptance Tests	0 days	Fri 22/09/23	Fri 22/09/23	Integrator	Engineer Support-Vendor,I	43,42	0 days	
49	<input checked="" type="checkbox"/>	Acceptance Tests	15 days	Fri 22/09/23	Fri 13/10/23	Integrator	Engineer Support-Vendor,I	48	5 days	
50	<input checked="" type="checkbox"/>	Schedule training	2 days	Fri 22/09/23	Tue 26/09/23	ISP	PM-Integrator,PM-ISP,PM-V	48	0 days	
51	<input checked="" type="checkbox"/>	Training	5 days	Fri 13/10/23	Fri 20/10/23	Vendor	Engineer Support-Vendor,I	50FS+5 da	0 days	
52	<input checked="" type="checkbox"/>	Probes and Management Acceptance Test Certificate signed	0 days	Fri 20/10/23	Fri 20/10/23	ISP		49,51	40 days	
53	<input checked="" type="checkbox"/>	Phase 2 - Customer Care interface	95 days	Fri 22/09/23	Fri 02/02/24				0 days	
54	<input checked="" type="checkbox"/>	Design and preparation	36 days	Fri 22/09/23	Mon 13/11/23				0 days	
55	<input checked="" type="checkbox"/>	Customer Care layout proposal	3 days	Fri 22/09/23	Wed 27/09/23	Vendor	Architect-Vendor	43	0 days	
56	<input checked="" type="checkbox"/>	Customer Care Detail Design	3 days	Fri 20/10/23	Wed 25/10/23	Vendor	Architect-Vendor,PM-Integ	55	0 days	
57	<input checked="" type="checkbox"/>	Order Hardware	2 days	Wed 25/10/23	Fri 27/10/23	Vendor	PM-Vendor	56	0 days	
58	<input checked="" type="checkbox"/>	Hardware delivery	10 days	Fri 27/10/23	Fri 10/11/23	Vendor	PM-Vendor	57	0 days	
59	<input checked="" type="checkbox"/>	Hardware Sign Off	1 day	Fri 10/11/23	Mon 13/11/23	ISP	PM-ISP	58	0 days	

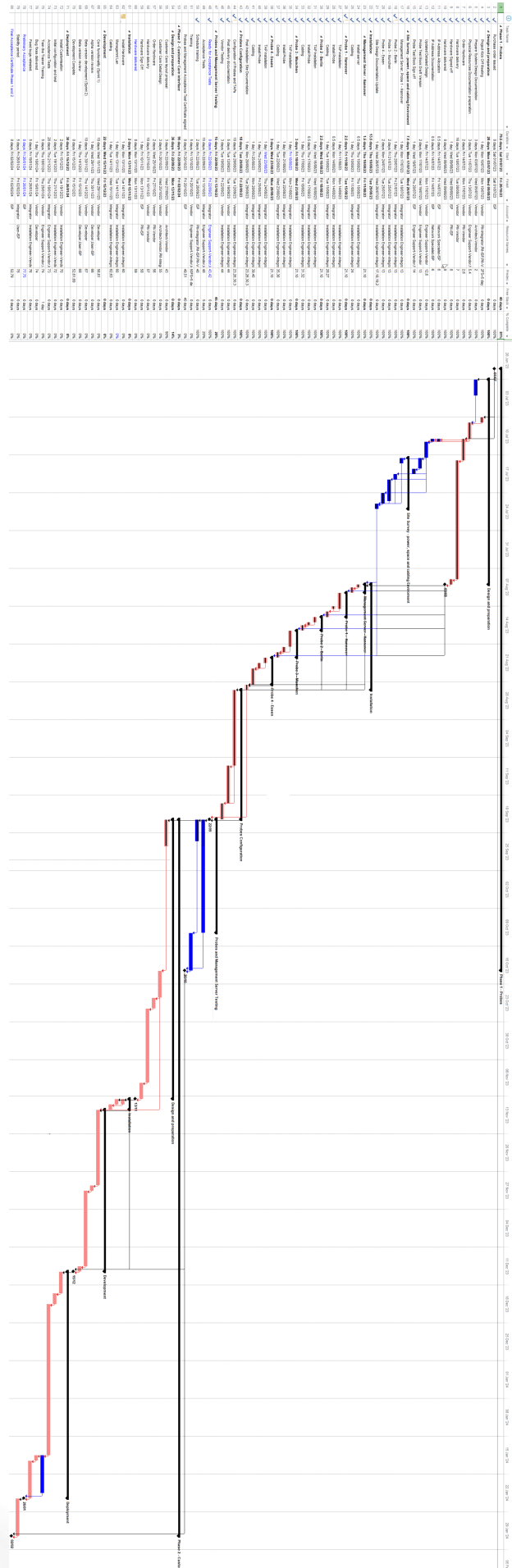
5. Gantt's bar chart

The Gantt Chart is one of the most detailed schedule presentations. Due to its high level of detail, the chart is best analyzed using interactive schedule management software, or alternatively, by printing it on several sheets of paper and assembling them on a sufficiently large board.

The Gantt Chart visually represents all project packages on a timeline axis. The chart perfectly illustrates dependencies between tasks, marked by connectors between tasks. Similar to the Task List, the Gantt Chart view can be aggregated into task groups, simplifying the project view, especially for more complex endeavors.

6. Critical Path of Tasks


The critical path is visible on the graphical Gantt Chart as tasks highlighted in red. It represents the longest sequence of interdependent tasks in the project, where a delay in any one task on the critical path would result in a delay in the entire project. It's assumed that the critical path of tasks already takes into account staggered, overlapping tasks performed by individual human resources. Individual individuals responsible for project execution may be assigned multiple tasks. After identifying the dependencies between tasks, the Project Manager responsible for preparing the schedule should first schedule the tasks in a way that one person does not have multiple tasks scheduled simultaneously. Only after conducting such an analysis, using dedicated tools or manually, should the Project Manager proceed to calculate the Critical Path of Tasks. In this case, such a path of tasks is also called the Critical Path of Resources.



7. Resource Planning

The included schedule model assumes personnel cost reconciliation based on hourly rate worked hours. The time and material model is considered for all the project stakeholders, including the Supplier, Integrator, and Client. In practice, for such infrastructure projects, some costs are fixed, and from the Client's perspective, there's no need to monitor the costs of all resources. However, such monitoring is necessary for the Supplier's Schedule presentation.


The table below presents the hourly cost of individual resources and the calculated total cost per person for the entire project. Additionally, higher overtime costs have been considered.

	 Resource Name	Type	Max.	Std. Rate	Ovt. Rate	% Work Complete	Cost
1	PM-ISP	Work	100%	€ 30.00/hr	€ 35.00/hr	80%	€ 1,200.00
2	PM-Vendor	Work	100%	€ 30.00/hr	€ 35.00/hr	66%	€ 7,680.00
3	PM-Integrator	Work	100%	€ 25.00/hr	€ 30.00/hr	50%	€ 1,200.00
4	Installation Engineer-Vendor	Work	100%	€ 45.00/hr	€ 55.00/hr	0%	€ 3,240.00
5	Installation Engineer-Integrator	Work	100%	€ 25.00/hr	€ 30.00/hr	51%	€ 16,300.00
6	User-ISP	Work	100%	€ 25.00/hr	€ 30.00/hr	5%	€ 11,000.00
7	Network Specialist-ISP	Work	100%	€ 20.00/hr	€ 30.00/hr	50%	€ 1,600.00
8	Architect-Vendor	Work	100%	€ 40.00/hr	€ 60.00/hr	63%	€ 2,880.00
9	Engineer Support-Vendor	Work	100%	€ 20.00/hr	€ 30.00/hr	19%	€ 8,320.00
10	Developer	Work	100%	€ 15.00/hr	€ 20.00/hr	0%	€ 2,760.00

8. Resource utilisation summary


During project execution and monitoring, a different table is often used compared to the one used for resource planning. The summary of current resource utilization includes information on the number of planned hours worked by individuals involved in the project, tasks' percentage completion, the total planned cost, current cost, and remaining cost broken down by individual human resources. Costs can be grouped per organization or even per team.

This table provides a snapshot of how resources are being used in real-time, allowing project managers to assess progress, costs, and remaining work more accurately as the project unfolds.

	 Resource Name	Work	% Work Complete	Cost	Remaining Cost	Actual Cost
	▷ Unassigned	0 hrs	0%	€ 0.00	€ 0.00	€ 0.00
1	▷ PM-ISP	40 hrs	80%	€ 1,200.00	€ 240.00	€ 960.00
2	▷ PM-Vendor	256 hrs	66%	€ 7,680.00	€ 2,640.00	€ 5,040.00
3	▷ PM-Integrator	48 hrs	50%	€ 1,200.00	€ 600.00	€ 600.00
4	▷ Installation Engineer-Vendor	72 hrs	0%	€ 3,240.00	€ 3,240.00	€ 0.00
5	▷ Installation Engineer-Integrator	652 hrs	51%	€ 16,300.00	€ 8,000.00	€ 8,300.00
6	▷ User-ISP	440 hrs	5%	€ 11,000.00	€ 10,400.00	€ 600.00
7	▷ Network Specialist-ISP	80 hrs	50%	€ 1,600.00	€ 800.00	€ 800.00
8	▷ Architect-Vendor	72 hrs	63%	€ 2,880.00	€ 1,056.00	€ 1,824.00
9	▷ Engineer Support-Vendor	416 hrs	19%	€ 8,320.00	€ 6,720.00	€ 1,600.00
10	▷ Developer	184 hrs	0%	€ 2,760.00	€ 2,760.00	€ 0.00

9. Resource Utilisation

A full task list with an allocation of tasks to individual team members. This table is useful for resource planning and during project execution..

	 Resource Name	Work	% Work Complete	Cost	Remaining Cost	Actual Cost
	▲ Unassigned	0 hrs	0%	€ 0.00	€ 0.00	€ 0.00
	Hardware delivered	0 hrs	100%	€ 0.00	€ 0.00	€ 0.00
	Probes and Management Acceptance Test Certificate signed	0 hrs	0%	€ 0.00	€ 0.00	€ 0.00
	Hardware delivered	0 hrs	0%	€ 0.00	€ 0.00	€ 0.00
	Development Complete	0 hrs	0%	€ 0.00	€ 0.00	€ 0.00
	Preliminary Acceptance	0 hrs	0%	€ 0.00	€ 0.00	€ 0.00
	Purchase order issued	0 hrs	100%	€ 0.00	€ 0.00	€ 0.00
	Final Acceptance Certificate Phase 1 and 2	0 hrs	0%	€ 0.00	€ 0.00	€ 0.00
1	▲ PM-ISP	40 hrs	80%	€ 1,200.00	€ 240.00	€ 960.00
	Project Kick Off Meeting	8 hrs	100%	€ 240.00	€ 0.00	€ 240.00
	Hardware Signed off	8 hrs	100%	€ 240.00	€ 0.00	€ 240.00
	Schedule training	16 hrs	100%	€ 480.00	€ 0.00	€ 480.00
	Hardware Sign Off	8 hrs	0%	€ 240.00	€ 240.00	€ 0.00
2	▲ PM-Vendor	256 hrs	66%	€ 7,680.00	€ 2,640.00	€ 5,040.00
	Project Kick Off Meeting	8 hrs	100%	€ 240.00	€ 0.00	€ 240.00
	Order Hardware	16 hrs	100%	€ 480.00	€ 0.00	€ 480.00
	Hardware delivery	128 hrs	100%	€ 3,840.00	€ 0.00	€ 3,840.00
	Schedule training	16 hrs	100%	€ 480.00	€ 0.00	€ 480.00
	Order Hardware	16 hrs	0%	€ 480.00	€ 480.00	€ 0.00
	Hardware delivery	72 hrs	0%	€ 2,160.00	€ 2,160.00	€ 0.00
3	▲ PM-Integrator	48 hrs	50%	€ 1,200.00	€ 600.00	€ 600.00
	Project Kick Off Meeting	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	Schedule training	16 hrs	100%	€ 400.00	€ 0.00	€ 400.00
	Customer Care Detail Design	24 hrs	0%	€ 600.00	€ 600.00	€ 0.00
4	▲ Installation Engineer-Vendor	72 hrs	0%	€ 3,240.00	€ 3,240.00	€ 0.00
	Install Customisation	16 hrs	0%	€ 720.00	€ 720.00	€ 0.00
	Initial configuration and test	16 hrs	0%	€ 720.00	€ 720.00	€ 0.00
	Fixed bugs retested.	40 hrs	0%	€ 1,800.00	€ 1,800.00	€ 0.00
5	▲ Installation Engineer-Integrator	652 hrs	51%	€ 16,300.00	€ 8,000.00	€ 8,300.00
	TAP installation	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	Management Server, Probe 1 - Hk	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	Probe 2 - Berlin	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	Probe 3 - Munchen	16 hrs	100%	€ 400.00	€ 0.00	€ 400.00
	Probe 4 - Essen	16 hrs	100%	€ 400.00	€ 0.00	€ 400.00
	Site Design Documentation Updat	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	Install server	4 hrs	100%	€ 100.00	€ 0.00	€ 100.00
	Cabling	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	Install Probe	4 hrs	100%	€ 100.00	€ 0.00	€ 100.00
	Cabling	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	TAP Installation	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	Install Probe	4 hrs	100%	€ 100.00	€ 0.00	€ 100.00
	Cabling	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	TAP installation	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00

	Install Probe	4 hrs	100%	€ 100.00	€ 0.00	€ 100.00
	Cabling	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	TAP installation	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	Install Probe	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	Cabling	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	TAP installation	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	Install Probe	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	Cabling	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	Post Installation Site Documentat	8 hrs	100%	€ 200.00	€ 0.00	€ 200.00
	Configuration of Probes and TAP.	80 hrs	100%	€ 2,000.00	€ 0.00	€ 2,000.00
	Post delivery documentation	40 hrs	100%	€ 1,000.00	€ 0.00	€ 1,000.00
	Vendor Testing	24 hrs	100%	€ 600.00	€ 0.00	€ 600.00
	Ready for Acceptance Tests	0 hrs	100%	€ 0.00	€ 0.00	€ 0.00
	Acceptance Tests	120 hrs	20%	€ 3,000.00	€ 2,400.00	€ 600.00
	Training	40 hrs	0%	€ 1,000.00	€ 1,000.00	€ 0.00
	Install Hardware	8 hrs	0%	€ 200.00	€ 200.00	€ 0.00
	Managemnt Lan	8 hrs	0%	€ 200.00	€ 200.00	€ 0.00
	Cabling	8 hrs	0%	€ 200.00	€ 200.00	€ 0.00
	Acceptance Tests	160 hrs	0%	€ 4,000.00	€ 4,000.00	€ 0.00
6	▲ User-ISP	440 hrs	5%	€ 11,000.00	€ 10,400.00	€ 600.00
	Ready for Acceptance Tests	0 hrs	100%	€ 0.00	€ 0.00	€ 0.00
	Acceptance Tests	120 hrs	20%	€ 3,000.00	€ 2,400.00	€ 600.00
	Training	40 hrs	0%	€ 1,000.00	€ 1,000.00	€ 0.00
	Customer Care Detail Design	24 hrs	0%	€ 600.00	€ 600.00	€ 0.00
	Alpha version review	8 hrs	0%	€ 200.00	€ 200.00	€ 0.00
	Beta version review	8 hrs	0%	€ 200.00	€ 200.00	€ 0.00
	Acceptance Tests	160 hrs	0%	€ 4,000.00	€ 4,000.00	€ 0.00
	Train the Trainer Training	40 hrs	0%	€ 1,000.00	€ 1,000.00	€ 0.00
	Stability period	40 hrs	0%	€ 1,000.00	€ 1,000.00	€ 0.00
7	▲ Network Specialist-ISP	80 hrs	50%	€ 1,600.00	€ 800.00	€ 800.00
	Physical Resources Documentati	24 hrs	100%	€ 480.00	€ 0.00	€ 480.00
	IP Address Allocation	4 hrs	100%	€ 80.00	€ 0.00	€ 80.00
	IP Address Dcoumentation	4 hrs	100%	€ 80.00	€ 0.00	€ 80.00
	Probe Test Book Sign off	8 hrs	100%	€ 160.00	€ 0.00	€ 160.00
	Training	40 hrs	0%	€ 800.00	€ 800.00	€ 0.00
8	▲ Architect-Vendor	72 hrs	63%	€ 2,880.00	€ 1,056.00	€ 1,824.00
	Prepare System Design Documer	24 hrs	100%	€ 960.00	€ 0.00	€ 960.00
	Customer Care layout proposa	24 hrs	90%	€ 960.00	€ 96.00	€ 864.00
	Customer Care Detail Design	24 hrs	0%	€ 960.00	€ 960.00	€ 0.00
9	▲ Engineer Support-Vendor	416 hrs	19%	€ 8,320.00	€ 6,720.00	€ 1,600.00
	Physical Resources Documentati	24 hrs	100%	€ 480.00	€ 0.00	€ 480.00
	Updated Detailed Design	8 hrs	100%	€ 160.00	€ 0.00	€ 160.00
	Probe Test Book Draft Version	16 hrs	100%	€ 320.00	€ 0.00	€ 320.00
	Probe Test Book Sign off	8 hrs	100%	€ 160.00	€ 0.00	€ 160.00
	Ready for Acceptance Tests	0 hrs	100%	€ 0.00	€ 0.00	€ 0.00
	Acceptance Tests	120 hrs	20%	€ 2,400.00	€ 1,920.00	€ 480.00
	Train the Trainer Training	40 hrs	0%	€ 800.00	€ 800.00	€ 0.00
10	▲ Developer	184 hrs	0%	€ 2,760.00	€ 2,760.00	€ 0.00
	Core functionality (Sprint 1)	80 hrs	0%	€ 1,200.00	€ 1,200.00	€ 0.00
	Alpha version review	8 hrs	0%	€ 120.00	€ 120.00	€ 0.00
	Beta version development (Sprint	80 hrs	0%	€ 1,200.00	€ 1,200.00	€ 0.00
	Beta version review	8 hrs	0%	€ 120.00	€ 120.00	€ 0.00
	Bug fixes delivered	8 hrs	0%	€ 120.00	€ 120.00	€ 0.00

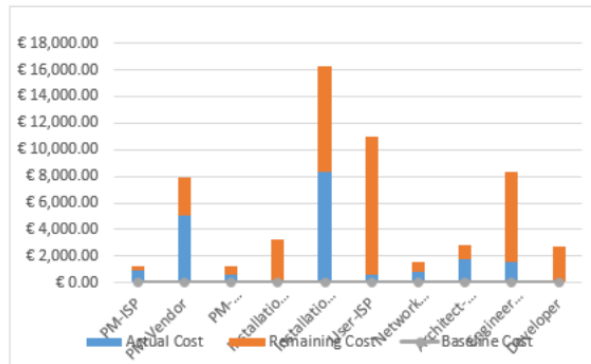
10. Resource Utilization Report

A chart used as a project progress report for verifying resource utilization and associated hourly costs. It can also be used during planning to visually represent cost allocations among team members..

RESOURCE COST OVERVIEW

COST STATUS

Cost status for work resources.



COST DETAILS

Cost details for all work resources.

Name	Actual Work	Actual Cost	Standard Rate
PM-ISP	32 hrs	€ 960.00	€ 30.00/hr
PM-Vendor	168 hrs	€ 5,040.00	€ 30.00/hr
PM-Integrator	24 hrs	€ 600.00	€ 25.00/hr
Installation Engineer-Vendor	0 hrs	€ 0.00	€ 45.00/hr
Installation Engineer-Integrator	332 hrs	€ 8,300.00	€ 25.00/hr
User-ISP	24 hrs	€ 600.00	€ 25.00/hr
Network Specialist-ISP	40 hrs	€ 800.00	€ 20.00/hr
Architect-Vendor	45.6 hrs	€ 1,824.00	€ 40.00/hr
Engineer Support-Vendor	80 hrs	€ 1,600.00	€ 20.00/hr
Developer	0 hrs	€ 0.00	€ 15.00/hr

11. Resource Utilization Timeline

The diagram below represents only a segment of the entire view illustrating the actual utilization of human resources within a unit of time. This tool is used to plan individual tasks while simultaneously verifying whether multiple tasks are scheduled for the same person at the same time.

Resource Name	U	Tb	Mon 10 Jul	Tue 11 Jul	Wed 12 Jul	Thu 13 Jul	Fri 14 Jul	Sat 15 Jul	Sun 16 Jul	Mon 17 Jul	Tue 18 Jul	Wed 19 Jul	Thu 20 Jul	Fri 21 Jul	Sat 22 Jul	Sun 23 Jul	Mon 24 Jul	Tue 25 Jul	Wed 26 Jul
PM-ISP			Project Kick Off Meeting																
PM-Vendor			Project Kick Off Meeting				Order Hardware				Hardware delivery								
PM-Integrator			Project Kick Off Meeting																
Installation Engineer-Vendor																			
Installation Engineer-Integrator											Managemen Server,	Probe 2 - Berlin	Probe 3 - Munchen	Probe 4 - Essen					
User-ISP																			Site Design Documentati
Network Specialist-ISP			Physical Resources Documentation preparation				IP Adre IP Adre						Probe Test Book Sign						
Architect-Vendor																			
Engineer Support-Vendor			Physical Resources Documentation preparation				Updated Detailed Design				Probe Test Book Draft Version		Probe Test Book Sign						

Conclusion

If you need assistance with schedule preparation or any other aspects of project management, feel free to reach out to me; I'd be happy to help.

Contact details

e-mail: Hubert@Chylewski.net

tel/whatsapp/signal: +48 601 200 230

LinkedIn: <https://www.linkedin.com/in/HubertChylewski>