

Case Study

Preparing a resource loaded schedule
in Microsoft® Project for an
Infrastructure tender



costar
Plan



THE SOLUTION

Ecostar Plan, by its practical approach based on real industry experience in project management has offered its *support in integrating the cost and schedule data within Microsoft Project.*

After the Constructor has presented the Tendering requirements (*"The Detailed Project Execution Schedule will show clearly the duration of works to be done, correlated with the technological stages and with the required resources and equipments to be used."*)

Ecostar's consultants have trained the project team explaining the steps required to create the **Project Schedule** according to international PM Standards.

The team was also trained for **Managing Projects with Microsoft Project** according to the best industry practices.

The team started with the Scope definition -WBS, defining the list of activities, Activity Network Logic, Critical Path and defining and assigning resources. For an easier workflow, all **resources were directly imported from the BoQ software** that the constructor was using **into Microsoft Project.**

The result: Resource Loaded project schedule, according to the tendering requirements.

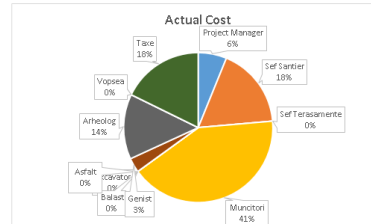
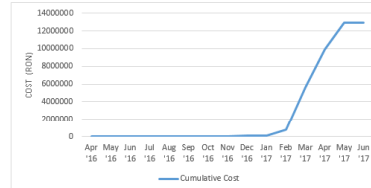
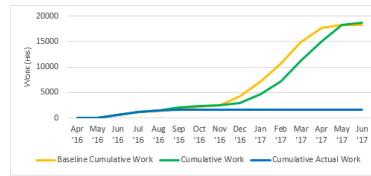
THE ISSUE

The Romanian Transport Minister has planned over 650 km of new highways in the next 16 years, according to their final Master Plan. In order to **minimize project delays**, the latest infrastructure bid-dings issued by CNADNR have several **Project Management requirements** as part of the Scope of Work.

Constructors were required also to submit project biddings, including **Critical Path** and **resource loaded schedule**, according to the offered costs as Bill of Quantity. This will offer a **clearer view** on the planned **project cash flow** as well. Constructors said these projects were managed on separate systems including Excel and Microsoft Project, but the **resources and cost** information were **not integrated** in Microsoft Project which meant it was difficult to plan future demands.

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WBS	Name	Start	Finish	% Complete	Cost
TGM.	Constructie Autostrada Targu Mures- Turda 10.5 km	24 Feb '15	19 Jun '17	14%	12,917,209.50 lei
1	Project Start	24 Feb '15	24 Feb '15	100%	0.00 lei
2	Project Finish	19 Jun '17	19 Jun '17	0%	0.00 lei
3	Management de Proiect	24 Feb '15	03 Oct '16	67%	0.00 lei
3.1	Raportare	01 Jun '16	03 Oct '16	60%	0.00 lei
3.2	Semnare Contract	24 Feb '15	24 Feb '15	100%	0.00 lei
4	Interfata Beneficiar	16 May '16	01 Sep '16	0%	5,000.00 lei
4.1	Ordin de incepere lucrari	01 Sep '16	01 Sep '16	0%	0.00 lei
4.2	Obtinere Autorizatie Constructie	16 May '16	16 May '16	100%	5,000.00 lei
5	Lucrari preguitoare	01 Jun '16	25 Jan '17	54%	50,649.50 lei
5.1	Organizare de santier	01 Jun '16	29 Aug '16	100%	18,309.50 lei
5.2	Deminare suprafete	01 Aug '16	07 Oct '16	8%	6,600.00 lei
5.3	Cercetari arheologice	15 Aug '16	25 Jan '17	15%	25,740.00 lei
6	SECTIUNEA 1 Km 0-4	29 Dec '16	05 Jun '17	0%	12,720,030.00 lei
6.1	Poduri	29 Dec '16	17 May '17	0%	77,600.00 lei
6.2	Drumuri	26 Jan '17	05 Jun '17	0%	12,618,230.00 lei
6.3	Constructii Civile	29 Dec '16	31 May '17	0%	24,200.00 lei
7	SECTIUNEA 2 Km 4-10Km	29 Dec '16	19 Jun '17	0%	141,530.00 lei
7.1	Poduri	12 Jan '17	31 May '17	0%	77,600.00 lei
7.2	Drumuri	09 Feb '17	19 Jun '17	0%	39,730.00 lei
7.3	Constructii Civile	29 Dec '16	31 May '17	0%	24,200.00 lei



BENEFITS

With multiple tendering procedures and execution works ongoing, Constructor is facing difficulties working with the current Project Management tools and according to the international standards. Personnel software skills with the planning tools are still weak and require specialized training from experienced Project Management trainers.

The training and consultancy provided by Ecostar Plan's consultants has ensured a **better view of the project future cash flow** and has given the proper solution according to the **tendering requirements**.

The Project Team will be able to **better monitor and control project work** by the use of Microsoft Project.

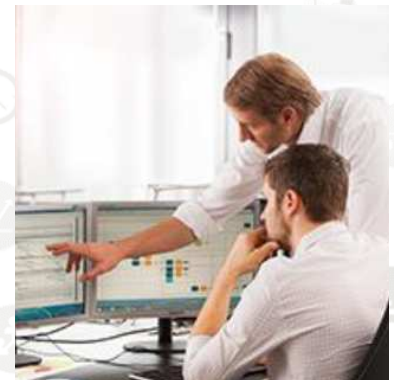
NEXT STEPS

As constructor, a common Europe requires the construction and modernization of high-performance, future-oriented infrastructure through medium sized to large projects. Typical projects range from Railway construction, Road Construction, Waterway to Pipe and Sewer Engineering and Construction, taking from as little as 3 months to complete up to a lengthy 3 years, and more depending on size and complexity.

The demanding Beneficiary needs for Project Management require a continuous process for personnel training in using tools and applying best industry's practices in planning and controlling the project work.

Ecostar Plan engineers help customers to realize and implement the full potential of the project team with Microsoft® Project or other PM tools in relation to their business challenges.

It is definitely worth it!



*Keep your projects
on time on scope on cost*



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