

	Case Name: C2019-11	Sector		
	OR-AS Operations Research - Applications and Solutions www.or-as.be info@or-as.be	Baseline schedule	Schedule with resources	
			Schedule with costs	
		Risk analysis	Random Simulation	
Submitted by	Mayté & Thymo		One of nine std. scenarios	
Date	2019	Project Control	User defined distributions	
File Name	C2019-11		Automatic tracking	
			Tracking based on user input	

1. Project description

Project Authenticity

The project consists of *activity, resource and cost* data that were obtained directly from the actual project owner.

2. Project properties

2.1. Baseline schedule

General	
# Activities	25
Planned Duration (PD)	130 days*
Budget at Completion (BAC)	€ 240.840,00
Renewable Resources	6
Consumable Resources	-

Network Topology	
Serial/Parallel (SP)	66%
Activity Distribution (AD)	68%
Length of Arcs (LA)	75%
Topological Float (TF)	2%

* Standard eight-hour working days

2.2. Risk analysis

Random simulation by ProTrack was performed using the default symmetric triangular risk distribution profiles.

	Cost sensitivity		
	avg (%)	std dev (%)	skew (-)
CRI-r	18,92	15,30	0,8
CRI-rho	20,88	15,53	0,8
CRI-thau	14,64	20,03	3,3

	Time sensitivity		
	avg (%)	std dev (%)	skew (-)
CI	68,2	41,0	-0,8
SI	85,2	25,8	-1,9
SSI	13,6	11,6	0,7
CRI-r	20,3	13,0	0,4
CRI-rho	126,4	525,5	5,0
CRI-thau	11,1	9,1	0,5

	Resource sensitivity		
	avg (%)	std dev (%)	skew (-)
CRI-r	76,33	33,63	-2,3
CRI-rho	75,17	33,70	-2,3
CRI-thau	62,17	26,95	-1,9