

	Case Name: C2016-51	Sector	Construction	
	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	2016		User defined distributions	
File Name	C2016-51	Project Control	Automatic tracking	
			Tracking based on user input	

1. Project description

Project Authenticity

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

2. Project properties

2.1. Baseline schedule

General	
# Activities	0
Planned Duration (PD)	181 days*
Budget at Completion (BAC)	€ 91.100,00
Renewable Resources	-
Consumable Resources	-

Network Topology	
Serial/Parallel (SP)	68%
Activity Distribution (AD)	80%
Length of Arcs (LA)	16%
Topological Float (TF)	16%

* 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	0,00	0,00	N/A
CRI-rho	100,00	0,00	N/A
CRI-thau	100,00	0,00	N/A

	Time sensitivity		
	avg (%)	std dev (%)	skew (-)
CI	60,0	49,0	-0,4
SI	64,1	42,9	-0,5
SSI	7,9	15,5	3,4
CRI-r	13,9	16,2	3,0
CRI-rho	16,0	17,0	2,5
CRI-thau	25,6	20,0	1,8

	Resource sensitivity		
	avg (%)	std dev (%)	skew (-)
CRI-r	N/A	N/A	N/A
CRI-rho	N/A	N/A	N/A
CRI-thau	N/A	N/A	N/A