

	Case Name: Paradise	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	
			One of nine std. scenarios	
Submitted by	Mayté & Thymo	Project Control	User defined distributions	
Date	2019		Automatic tracking	
File Name	C2019-12 Paradise		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	39
Planned Duration (PD)	362 days*
Budget at Completion (BAC)	€ 142.020,00
Renewable Resources	-
Consumable Resources	-

Network Topology	
Serial/Parallel (SP)	57%
Activity Distribution (AD)	68%
Length of Arcs (LA)	17%
Topological Float (TF)	18%

* 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	11,33	15,66	3,7
CRI-rho	18,55	19,32	1,8
CRI-thau	30,45	30,69	1,4

	Time sensitivity		
	avg (%)	std dev (%)	skew (-)
CI	56,7	46,2	-0,3
SI	27,1	36,6	1,0
SSI	7,3	14,4	2,9
CRI-r	11,8	13,7	2,7
CRI-rho	13,7	13,8	2,4
CRI-thau	21,1	18,4	2,2

	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