

	Case Name: Family residence	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	C2019-02 Family residence		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	49
Planned Duration (PD)	115 days*
Budget at Completion (BAC)	€ 209.621,52
Renewable Resources	-
Consumable Resources	-

Network Topology	
Serial/Parallel (SP)	35%
Activity Distribution (AD)	41%
Length of Arcs (LA)	3%
Topological Float (TF)	33%

* 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	36,7	47,9	0,6
SI	49,5	42,9	0,1
SSI	6,1	16,1	4,1
CRI-r	8,8	12,5	4,0
CRI-rho	9,9	11,9	4,1
CRI-thau	29,9	14,0	-0,7

	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