

	Case Name: C2019-04	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	2019	Project Control	User defined distributions	
File Name	C2019-04		Automatic tracking	
			Tracking based on user input	

## 1. Project description

Project Authenticity

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

## 2. Project properties

### 2.1. Baseline schedule

General	
# Activities	52
Planned Duration (PD)	289 days*
Budget at Completion (BAC)	-
Renewable Resources	1
Consumable Resources	-

Network Topology	
Serial/Parallel (SP)	45%
Activity Distribution (AD)	59%
Length of Arcs (LA)	3%
Topological Float (TF)	29%

\* 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	N/A	N/A	N/A
CRI-rho	N/A	N/A	N/A
CRI-thau	N/A	N/A	N/A

	Time sensitivity		
	avg (%)	std dev (%)	skew (-)
CI	48,1	50,0	0,1
SI	6,5	16,0	3,3
SSI	0,0	0,0	-
CRI-r	0,0	0,0	-
CRI-rho	51,0	6,9	7,2
CRI-thau	99,8	1,6	-7,2

	Resource 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