

	Case Name: christmas market	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	2018		User defined distributions	
File Name	C2018-04 christmas market	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	38
Planned Duration (PD)	94 days*
Budget at Completion (BAC)	€ 69.080,35
Renewable Resources	-
Consumable Resources	-

Network Topology	
Serial/Parallel (SP)	40%
Activity Distribution (AD)	50%
Length of Arcs (LA)	35%
Topological Float (TF)	8%

\* Standard eight-hour working days

### 2.2. Risk analysis

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

	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	29,7	43,1	1,0
SI	18,9	31,5	1,5
SSI	1,4	5,9	4,2
CRI-r	2,7	9,2	5,0
CRI-rho	48,2	19,0	-1,9
CRI-thau	87,2	25,3	-1,6

	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