

	Case Name: Hotel Reylof	Sector	Construction (Commercial Building)
	OR-AS Operations Research - Applications and Solutions www.or-as.be info@or-as.be	Baseline Schedule	Schedule with resources Schedule with costs
Submitted by	Ruben Van Caelenberg	Risk Analysis	Random simulation One of nine std. scenarios User defined distributions
Date	December 4, 2012		Project Control
File Name	C2011-14 Hotel Reylof.p2x		

1. Project description

Project authenticity

The renovation of the Sandton Grand Hotel Reylof, a luxury four star hotel in the historical center of Ghent (Belgium). The project covers three interconnected buildings and a garden.

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

2. Project properties

2.1. Baseline Schedule

General	
# Activities	373
Planned Duration (PD)	252 days*
Budget At Completion (BAC)	N/A
Renewable Resources	-
Consumable Resources	-

* standard eight-hour working days

Network topology	
Serial/Parallel (SP)	3%
Activity Distribution (AD)	44%
Length of Arcs (LA)	0%
Topological Float (TF)	61%

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-tau	N/A	N/A	N/A

	Resource sensitivity		
	avg [%]	std dev [%]	skew [-]
CRI-r	N/A	N/A	N/A
CRI-rho	N/A	N/A	N/A
CRI-tau	N/A	N/A	N/A

	Time sensitivity		
	avg [%]	std dev [%]	skew [-]
CI	1.4	6.6	5.7
SI	14.6	15.2	2.2
SSI	0.3	4.6	18.6
CRI-r	8.6	7.7	4.1
CRI-rho	9.4	9.3	3.5
CRI-tau	13.3	14.9	3.6

Since no cost data were entered, no results for cost and resource sensitivity can be obtained. The lack of cost data also entails that project tracking cannot be performed.