	Case Name: **Youth Hostel Merkenveld**	Sector	Construction (Commercial Building)	
OR-AS Operations Research Applications and Solutions	**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	Jonathan Dauchot		User defined distributions	
Date	November 27, 2012	Project Control	Automatic tracking	
File Name	C2012-06 Youth Hostel Merkenveld.p2x		Tracking based on user input	

1. Project description

Project authenticity

The renovation of a youth hostel in the rural area of Loppem (Belgium).

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	46
Planned Duration (PD)	197 days*
Budget At Completion (BAC)	N/A
Renewable Resources	5
Consumable Resources	-

Network topology	
Serial/Parallel (SP)	62%
Activity Distribution (AD)	64%
Length of Arcs (LA)	17%
Topological Float (TF)	15%

* standard eight-hour working days

2.2. Risk Analysis

Use of many different non-standard triangular distribution profiles inputted by the user (mostly skewed), complemented by only a couple of predefined symmetrical distributions.

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

Time sensitivity	avg [%]	std dev [%]	skew [-]
CI	64.7	44.7	-0.6
SI	21.8	34.6	1.4
SSI	7.6	12.0	2.5
CRI-r	10.3	13.4	2.8
CRI-rho	17.7	17.1	1.4
CRI-tau	30.0	29.6	1.4

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

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.