	Case Name: **Day Care**	Sector	Construction (Institutional Building)	
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	N/A		User defined distributions	
Date	December 12, 2012	Project Control	Automatic tracking	
File Name	C2012-03 Day Care.p2x		Tracking based on user input	

1. Project description

Project authenticity

The renovation of a small historic building, making it into a day care center that can accommodate about a dozen young children.

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

2. Project properties

2.1. Baseline Schedule

General	
# Activities	24
Planned Duration (PD)	128 days*
Budget At Completion (BAC)	N/A
Renewable Resources	-
Consumable Resources	-

Network topology	
Serial/Parallel (SP)	73%
Activity Distribution (AD)	76%
Length of Arcs (LA)	22%
Topological Float (TF)	36%

* standard eight-hour working days

2.2. Risk Analysis

Use of all predefined distribution profiles: symmetrical, skewed (all to the right) and risk-free.

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	75.0	43.3	-1.2
SI	83.9	30.3	-1.8
SSI	15.6	18.5	1.5
CRI-r	14.7	14.5	1.5
CRI-rho	18.0	16.6	1.1
CRI-tau	22.9	25.7	2.3

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.