

	Case Name: Solar Park	Sector	Construction (Industrial)	
	OR-AS Operations Research - Applications and Solutions www.or-as.be info@or-as.be	Baseline Schedule	Schedule with resources	
		Risk Analysis	Schedule with costs	
			Random simulation	
Submitted by	N/A		One of nine std. scenarios	
Date	December 21, 2012		User defined distributions	
File Name	C2012-07 Solar Park.p2x	Project Control	Automatic tracking	
			Tracking based on user input	

1. Project description

Project authenticity

The realization of a solar park of moderate size.

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

2. Project properties

2.1. Baseline Schedule

General	
# Activities	175
Planned Duration (PD)	711 days*
Budget At Completion (BAC)	N/A
Renewable Resources	-
Consumable Resources	-

* standard eight-hour working days

Network topology	
Serial/Parallel (SP)	4%
Activity Distribution (AD)	65%
Length of Arcs (LA)	0%
Topological Float (TF)	85%

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	2.3	14.9	6.4
SI	9.8	14.1	2.4
SSI	0.7	7.6	13.0
CRI-r	7.8	9.2	5.7
CRI-rho	12.0	14.7	2.6
CRI-tau	26.3	27.0	1.7

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.