

	Case Name: Hydrogen Island	Sector	Construction (Civil)	
	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	2017	Project Control	User defined distributions	
File Name	C2017-03 Hydrogen Island		Automatic tracking	
			Tracking based on user input	

1. Project description

Project Authenticity

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

2. Project properties

2.1. Baseline schedule

General	
# Activities	87
Planned Duration (PD)	2804 days*
Budget at Completion (BAC)	-
Renewable Resources	-
Consumable Resources	-

Network Topology	
Serial/Parallel (SP)	37%
Activity Distribution (AD)	49%
Length of Arcs (LA)	0%
Topological Float (TF)	51%

* Standard eight-hour working days

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-thau	N/A	N/A	N/A

	Time sensitivity		
	avg (%)	std dev (%)	skew (-)
CI	33,3	47,1	0,7
SI	36,7	45,4	0,6
SSI	5,9	10,2	1,7
CRI-r	12,0	9,1	1,3
CRI-rho	11,8	9,1	1,2
CRI-thau	8,8	7,4	1,3

	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