

	Case Name: Cornflakes	Sector	Engineering	
	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	2018	Project Control	User defined distributions	
File Name	C2018-12 Cornflakes		Automatic tracking	
			Tracking based on user input	

1. Project description

Project Authenticity

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

2. Project properties

2.1. Baseline schedule

General	
# Activities	31
Planned Duration (PD)	275 days*
Budget at Completion (BAC)	€ 750.110,00
Renewable Resources	2
Consumable Resources	-

Network Topology	
Serial/Parallel (SP)	34%
Activity Distribution (AD)	26%
Length of Arcs (LA)	2%
Topological Float (TF)	43%

* 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	7,00	16,41	3,4
CRI-rho	36,87	21,16	-0,6
CRI-thau	67,36	41,23	-0,6

	Time sensitivity		
	avg (%)	std dev (%)	skew (-)
CI	36,7	45,9	0,6
SI	50,0	43,8	0,1
SSI	8,6	17,3	2,9
CRI-r	11,4	15,7	2,5
CRI-rho	14,6	17,7	1,8
CRI-thau	20,5	25,8	2,0

	Resource sensitivity		
	avg (%)	std dev (%)	skew (-)
CRI-r	57,50	41,50	N/A
CRI-rho	59,00	40,00	N/A
CRI-thau	51,50	39,50	N/A