

	Case Name: eScooter	Sector		
	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	Mayté & Thymo	Project Control	User defined distributions	
Date	2018		Automatic tracking	
File Name	C2018-02 eScooter		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	19
Planned Duration (PD)	260 days*
Budget at Completion (BAC)	€ 396.760,00
Renewable Resources	5
Consumable Resources	-

Network Topology	
Serial/Parallel (SP)	61%
Activity Distribution (AD)	63%
Length of Arcs (LA)	37%
Topological Float (TF)	10%

* 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	15,25	19,78	3,0
CRI-rho	15,50	19,47	3,2
CRI-thau	11,66	15,46	3,2

	Time sensitivity		
	avg (%)	std dev (%)	skew (-)
CI	63,5	45,0	-0,6
SI	80,2	30,7	-1,3
SSI	13,6	17,5	1,9
CRI-r	18,7	17,1	1,9
CRI-rho	18,3	16,7	2,2
CRI-thau	13,2	11,8	2,2

	Resource sensitivity		
	avg (%)	std dev (%)	skew (-)
CRI-r	43,60	25,71	1,6
CRI-rho	42,00	25,22	1,7
CRI-thau	30,40	23,70	1,8