


| | | | | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------|------------------------------|--|
|  | Case Name: BAM deelproject 3b | Sector | Construction | |
| | 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 | 2019 | | Automatic tracking | |
| File Name | C2019-17 BAM deelproject 3b | | 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 | 1796 |
| Planned Duration (PD) | 1306 days* |
| Budget at Completion (BAC) | - |
| Renewable Resources | - |
| Consumable Resources | - |

| Network Topology | |
|----------------------------|-----|
| Serial/Parallel (SP) | 2% |
| Activity Distribution (AD) | 54% |
| Length of Arcs (LA) | 0% |
| Topological Float (TF) | 70% |

* 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 | 1,8 | 13,1 | 7,3 |
| SI | 4,3 | 14,4 | 5,8 |
| SSI | 0,2 | 2,3 | 20,9 |
| CRI-r | 7,2 | 6,5 | 1,5 |
| CRI-rho | 13,2 | 14,7 | 1,7 |
| CRI-thau | 24,3 | 30,0 | 1,7 |

| | 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 |