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|---|---|-------------------|------------------------------|--|
|  | Case Name: BAM deelproject 7 | 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 | |
| Submitted by | Mayté & Thymo | | One of nine std. scenarios | |
| Date | 2019 | Project Control | User defined distributions | |
| File Name | C2019-20 BAM deelproject 7 | | 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 | 132 |
| Planned Duration (PD) | 863 days* |
| Budget at Completion (BAC) | - |
| Renewable Resources | - |
| Consumable Resources | - |

| Network Topology | |
|----------------------------|-----|
| Serial/Parallel (SP) | 16% |
| Activity Distribution (AD) | 21% |
| Length of Arcs (LA) | 0% |
| Topological Float (TF) | 38% |

* 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 | 11,5 | 16,8 | 1,3 |
| SI | 27,7 | 28,4 | 0,9 |
| SSI | 2,0 | 6,6 | 6,0 |
| CRI-r | 8,4 | 9,5 | 3,1 |
| CRI-rho | 12,9 | 14,9 | 1,8 |
| CRI-thau | 22,2 | 27,5 | 2,2 |

| | 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 |