



**POLITECNICO**  
MILANO 1863

Business Continuity Game - Auto parts manufacturer company  
group05  
24/11/2023 - 11:48:53

Solution 1

Additional stocking capacity for finished products: 5

Solution 2

Additional stocking capacity for raw material: 10

Additional stocking capacity for internal parts: 10

Additional stocking capacity for external parts: 10

Default stocking level for internal parts: 10

Default stocking level for raw material: 5

Default stocking level for external parts: 10

Solution 3

Backup manufacturing equipment: Yes

Backup assembly equipment: Yes

Solution 4

Alternative outbound transport (Finished products): 0

Alternative inbound transport (Raw material): 0

Alternative inbound transport (Raw material): 0

Solution 5

Earthquake-proof Main Facility: No

Warehouse reinforcement: No

Logistics Center reinforcement: No

Solution 6

Insurance: Package 3

## RESULTS

| EXPECTED LOSSES FROM BUSINESS DISRUPTION |                |              |             |             |            |
|--|----------------|--------------|-------------|-------------|------------|
| Magnitude                                | 8+             | 7-8          | 6-7         | 5-6         | 5-         |
| Damage to physical infrastructures [M€]  | 20.0           | 12.0         | 5.0         | 0.0         | 0.0        |
| Damage to other properties [M€]          | 20.7           | 11.0         | 3.85        | 0.75        | 0.0        |
| Loss from business income [M€]           | 111.83         | 33.55        | 0.25        | 0.0         | 0.0        |
| Business recovery [M€]                   | 0.585          | 0.39         | 0.07        | 0.01        | 0.0        |
| <b>TOTAL [M€]</b>                        | <b>153.115</b> | <b>56.94</b> | <b>9.17</b> | <b>0.76</b> | <b>0.0</b> |

| NET LOSS (AFTER INSURANCE)   |                |              |             |             |            |
|------------------------------|----------------|--------------|-------------|-------------|------------|
| Magnitude                    | 8+             | 7-8          | 6-7         | 5-6         | 5-         |
| Physical infrastructure [M€] | 10.0           | 2.0          | 0.0         | 0.0         | 0.0        |
| Other property [M€]          | 20.7           | 11.0         | 3.85        | 0.75        | 0.0        |
| Loss of business income [M€] | 81.83          | 3.55         | 0.0         | 0.0         | 0.0        |
| Business recovery [M€]       | 0.585          | 0.39         | 0.07        | 0.01        | 0.0        |
| <b>TOTAL [M€]</b>            | <b>113.115</b> | <b>16.94</b> | <b>3.92</b> | <b>0.76</b> | <b>0.0</b> |

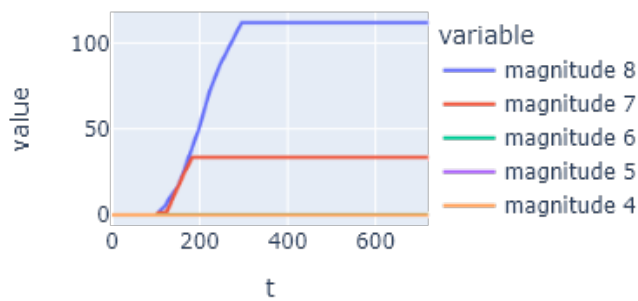
|                                    |       |
|------------------------------------|-------|
| Total expected loss [M€]           | 1.348 |
| Total BCP implementation cost [M€] | 0.365 |
| Total insurance price [M€]         | 0.2   |

|  |              |
|--|--------------|
| <b>TOTAL EXPECTED COST OF BC STRATEGY [M€]</b> | <b>1.913</b> |
|--|--------------|

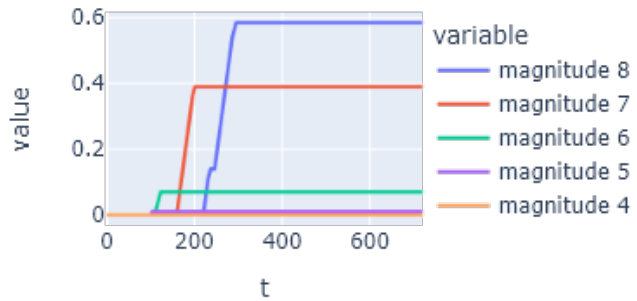
| BUSINESS IMPACTS TABLE |                    |     |     |      |       |       |       |       |        |         |      |      |     |
|------------------------|--------------------|-----|-----|------|-------|-------|-------|-------|--------|---------|------|------|-----|
| CW. activities         | Impacts evaluation |     |     |      |       |       |       |       |        |         |      | MTPD | RTO |
|                        | days               | 1-3 | 3-7 | 7-14 | 14-30 | 30-45 | 45-60 | 60-90 | 90-180 | 180-360 | >360 |      |     |
| Manufacturing          | Contractual sales  | 0   | 0   | 0    | 0     | 0     | 0     | 0     | 0      | 0       | 0    | 90   | 60  |
|                        | Offline sales      | 0   | 0   | 0    | 1     | 1     | 1     | 2     | 2      | 3       | 3    |      |     |
|                        | Non-delivery sales | 0   | 0   | 0    | 1     | 1     | 2     | 2     | 3      | 3       | 3    |      |     |
|                        | Contractual penal. | 0   | 0   | 0    | 0     | 1     | 1     | 2     | 3      | 3       | 3    |      |     |
| Assembly               | Contractual sales  | 0   | 0   | 0    | 0     | 0     | 0     | 0     | 0      | 0       | 0    | 90   | 45  |
|                        | Offline sales      | 0   | 0   | 0    | 1     | 1     | 1     | 2     | 2      | 3       | 3    |      |     |
|                        | Non-delivery sales | 0   | 0   | 0    | 1     | 2     | 2     | 2     | 3      | 3       | 3    |      |     |
|                        | Contractual penal. | 0   | 0   | 0    | 0     | 1     | 1     | 2     | 3      | 3       | 3    |      |     |
| Order acq.             | Online sales       | 1   | 1   | 1    | 2     | 2     | 2     | 3     | 3      | 3       | 3    | 60   | 30  |
| IT systems             | Online sales       | 1   | 1   | 1    | 1     | 2     | 2     | 2     | 3      | 3       | 3    | 90   | 30  |

# CHARTS

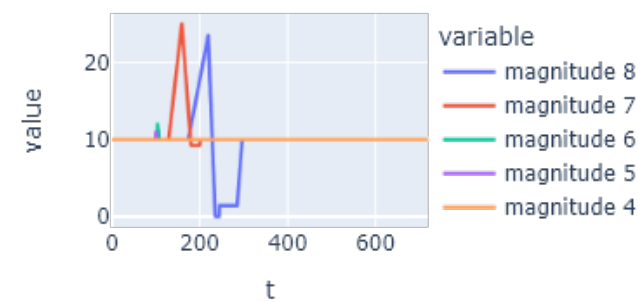
Loss from business income



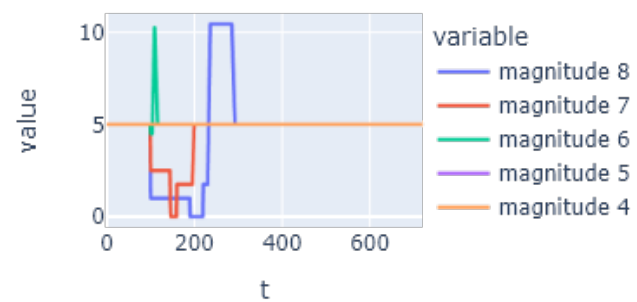
Business recovery



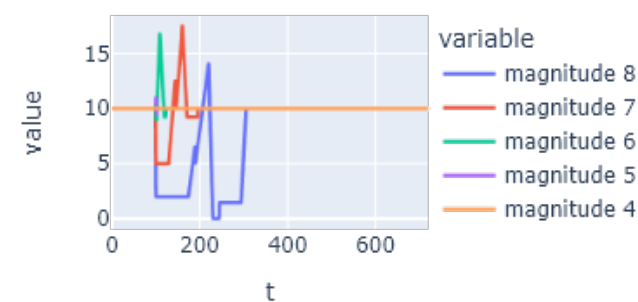
Raw material stock level



Internal parts stock level



External parts stock level



Finished products stock level

