



**POLITECNICO**  
MILANO 1863

Business Continuity Game - Auto parts manufacturer company  
group34  
24/11/2023 - 11:17:29

Solution 1

Additional stocking capacity for finished products: 0

Solution 2

Additional stocking capacity for raw material: 15

Additional stocking capacity for internal parts: 5

Additional stocking capacity for external parts: 10

Default stocking level for internal parts: 35

Default stocking level for raw material: 15

Default stocking level for external parts: 30

Solution 3

Backup manufacturing equipment: No

Backup assembly equipment: No

Solution 4

Alternative outbound transport (Finished products): 5

Alternative inbound transport (Raw material): 14

Alternative inbound transport (Raw material): 10

Solution 5

Earthquake-proof Main Facility: Yes

Warehouse reinforcement: Yes

Logistics Center reinforcement: No

Solution 6

Insurance: Package 5

## RESULTS

| EXPECTED LOSSES FROM BUSINESS DISRUPTION |                |               |              |             |             |
|--|----------------|---------------|--------------|-------------|-------------|
| Magnitude                                | 8+             | 7-8           | 6-7          | 5-6         | 5-          |
| Damage to physical infrastructures [M€]  | 6.0            | 3.6           | 1.5          | 0.0         | 0.0         |
| Damage to other properties [M€]          | 17.5           | 9.0           | 3.45         | 0.75        | 0.0         |
| Loss from business income [M€]           | 161.87         | 28.655        | 0.25         | 0.0         | 0.0         |
| Business recovery [M€]                   | 1.023          | 1.287         | 0.233        | 0.03        | 0.01        |
| <b>TOTAL [M€]</b>                        | <b>186.393</b> | <b>42.542</b> | <b>5.433</b> | <b>0.78</b> | <b>0.01</b> |

| NET LOSS (AFTER INSURANCE)   |               |               |            |             |             |
|------------------------------|---------------|---------------|------------|-------------|-------------|
| Magnitude                    | 8+            | 7-8           | 6-7        | 5-6         | 5-          |
| Physical infrastructure [M€] | 6.0           | 3.6           | 1.5        | 0.0         | 0.0         |
| Other property [M€]          | 17.5          | 9.0           | 3.45       | 0.75        | 0.0         |
| Loss of business income [M€] | 161.87        | 28.655        | 0.25       | 0.0         | 0.0         |
| Business recovery [M€]       | 0.0           | 0.0           | 0.0        | 0.0         | 0.01        |
| <b>TOTAL [M€]</b>            | <b>185.37</b> | <b>41.255</b> | <b>5.2</b> | <b>0.75</b> | <b>0.01</b> |

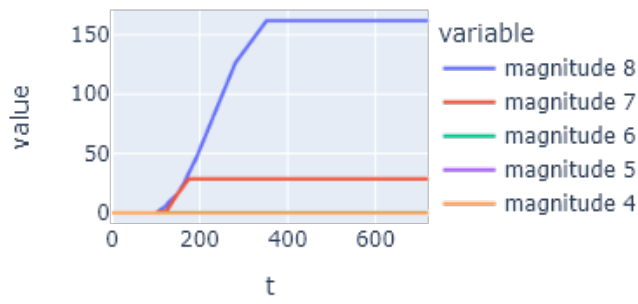
|                                    |       |
|------------------------------------|-------|
| Total expected loss [M€]           | 1.894 |
| Total BCP implementation cost [M€] | 0.185 |
| Total insurance price [M€]         | 0.02  |

|  |              |
|--|--------------|
| <b>TOTAL EXPECTED COST OF BC STRATEGY [M€]</b> | <b>2.099</b> |
|--|--------------|

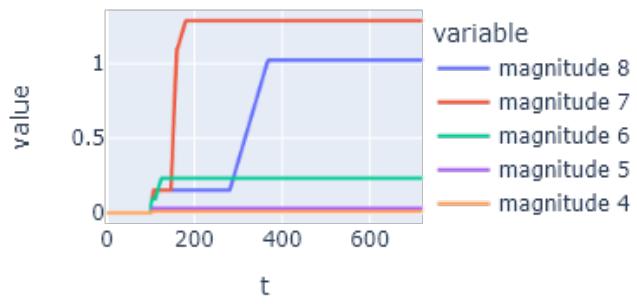
| BUSINESS IMPACTS TABLE |                    |     |     |      |       |       |       |       |        |         |      |      |     |
|------------------------|--------------------|-----|-----|------|-------|-------|-------|-------|--------|---------|------|------|-----|
| CW. activities         | 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    | 0     | 0     | 0     | 0     | 0      | 0       | 0    |      |     |
|                        | Non-delivery sales | 0   | 0   | 0    | 1     | 1     | 2     | 2     | 3      | 3       | 3    |      |     |
|                        | Contractual penal. | 0   | 0   | 0    | 0     | 1     | 1     | 1     | 2      | 2       | 3    |      |     |
| Assembly               | Contractual sales  | 0   | 0   | 0    | 0     | 0     | 0     | 0     | 0      | 0       | 0    | 90   | 60  |
|                        | Offline sales      | 0   | 0   | 0    | 0     | 0     | 0     | 0     | 0      | 0       | 0    |      |     |
|                        | Non-delivery sales | 0   | 0   | 0    | 1     | 1     | 2     | 2     | 3      | 3       | 3    |      |     |
|                        | Contractual penal. | 0   | 0   | 0    | 0     | 1     | 1     | 1     | 2      | 2       | 3    |      |     |
| Order acq.             | Online sales       | 1   | 1   | 2    | 2     | 3     | 3     | 3     | 3      | 3       | 3    | 30   | 7   |
| IT systems             | Online sales       | 1   | 1   | 1    | 1     | 2     | 2     | 2     | 2      | 3       | 3    | 180  | 90  |

# CHARTS

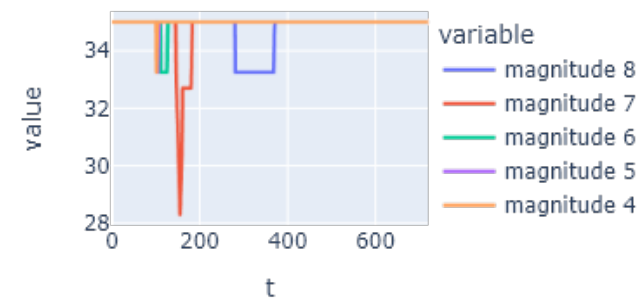
Loss from business income



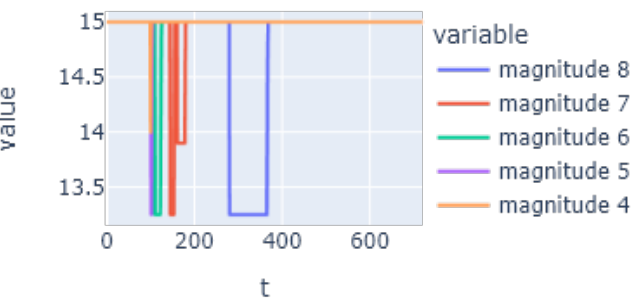
Business recovery



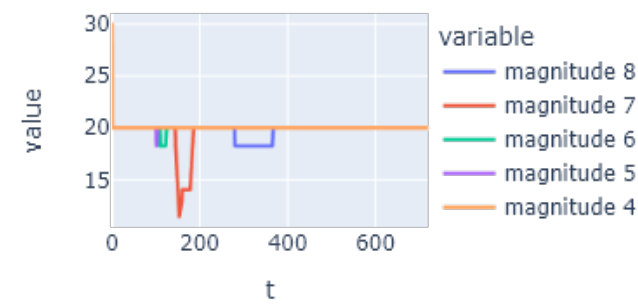
Raw material stock level



Internal parts stock level



External parts stock level



Finished products stock level

