



**POLITECNICO**  
MILANO 1863

Business Continuity Game - Auto parts manufacturer company  
group14  
24/11/2023 - 11:12:46

Solution 1

Additional stocking capacity for finished products: 7

Solution 2

Additional stocking capacity for raw material: 7

Additional stocking capacity for internal parts: 15

Additional stocking capacity for external parts: 7

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: No

Backup assembly equipment: No

Solution 4

Alternative outbound transport (Finished products): 10

Alternative inbound transport (Raw material): 10

Alternative inbound transport (Raw material): 10

Solution 5

Earthquake-proof Main Facility: No

Warehouse reinforcement: Yes

Logistics Center reinforcement: Yes

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€]	10.0	6.0	2.5	0.0	0.0
Damage to other properties [M€]	17.5	9.0	3.45	0.75	0.0
Loss from business income [M€]	161.81	30.74	0.25	0.0	0.0
Business recovery [M€]	2.005	2.225	0.27	0.01	0.01
<b>TOTAL [M€]</b>	<b>191.315</b>	<b>47.965</b>	<b>6.47</b>	<b>0.76</b>	<b>0.01</b>

NET LOSS (AFTER INSURANCE)					
Magnitude	8+	7-8	6-7	5-6	5-
Physical infrastructure [M€]	0.0	0.0	0.0	0.0	0.0
Other property [M€]	17.5	9.0	3.45	0.75	0.0
Loss of business income [M€]	131.81	0.74	0.0	0.0	0.0
Business recovery [M€]	2.005	2.225	0.27	0.01	0.01
<b>TOTAL [M€]</b>	<b>151.315</b>	<b>11.965</b>	<b>3.72</b>	<b>0.76</b>	<b>0.01</b>

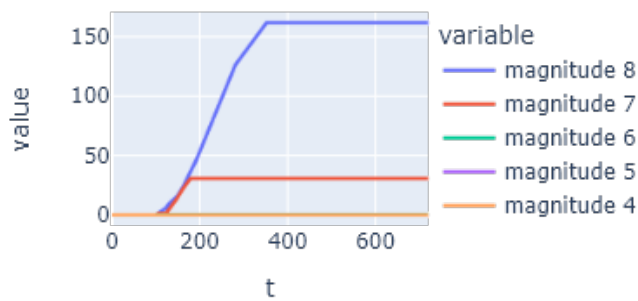
Total expected loss [M€]	1.423
Total BCP implementation cost [M€]	0.172
Total insurance price [M€]	0.2

<b>TOTAL EXPECTED COST OF BC STRATEGY [M€]</b>	<b>1.795</b>
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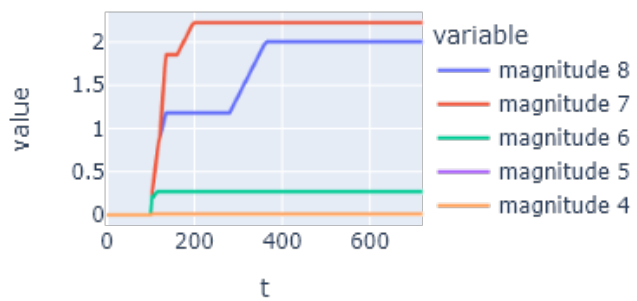
BUSINESS IMPACTS TABLE													
CW. activities	Impacts evaluation											MTPD	RTO
	days	1-3	3-7	7-14	14-30	30-45	45-60	60-90	90-180	180-360	>360		
Manufacturing	Contractual sales	0	0	1	2	2	2	3	3	3	3	60	30
	Offline sales	0	0	1	2	2	3	3	3	3	3		
	Non-delivery sales	0	0	0	0	1	2	2	3	3	3		
	Contractual penal.	0	0	0	0	1	1	1	2	3	3		
Assembly	Contractual sales	0	0	1	2	2	2	3	3	3	3	60	30
	Offline sales	0	0	1	2	2	3	3	3	3	3		
	Non-delivery sales	0	0	0	0	2	2	2	3	3	3		
	Contractual penal.	0	0	0	0	1	1	1	2	3	3		
Order acq.	Online sales	1	1	2	2	3	3	3	3	3	3	45	30
IT systems	Online sales	1	1	1	2	2	2	3	3	3	3	90	30

# CHARTS

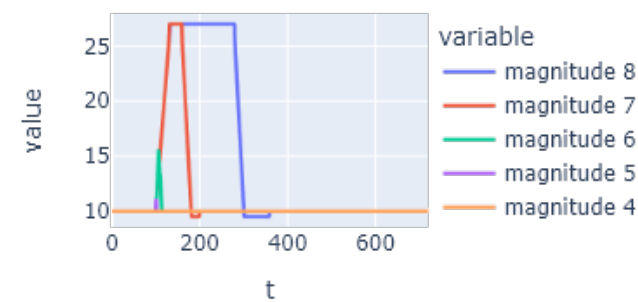
Loss from business income



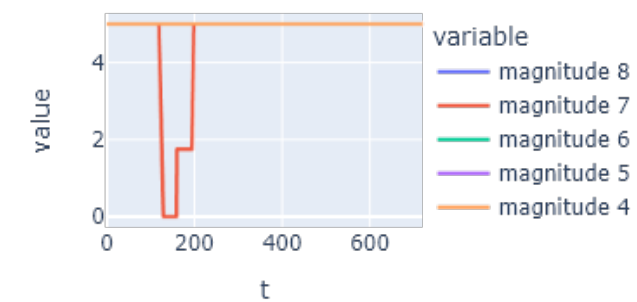
Business recovery



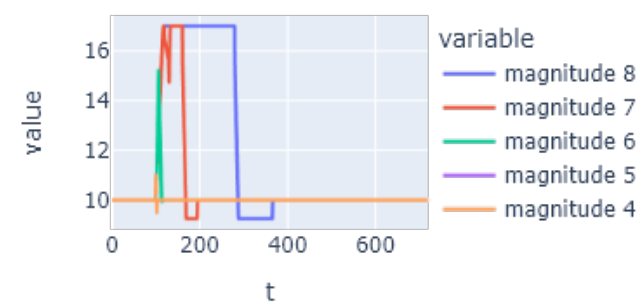
Raw material stock level



Internal parts stock level



External parts stock level



Finished products stock level

