



POLITECNICO
MILANO 1863

Business Continuity Game - Auto parts manufacturer company
group22
24/11/2023 - 12:02:11

Solution 1

Additional stocking capacity for finished products: 10

Solution 2

Additional stocking capacity for raw material: 0

Additional stocking capacity for internal parts: 2

Additional stocking capacity for external parts: 0

Default stocking level for internal parts: 10

Default stocking level for raw material: 12

Default stocking level for external parts: 12

Solution 3

Backup manufacturing equipment: No

Backup assembly equipment: Yes

Solution 4

Alternative outbound transport (Finished products): 10

Alternative inbound transport (Raw material): 0

Alternative inbound transport (Raw material): 6

Solution 5

Earthquake-proof Main Facility: No

Warehouse reinforcement: Yes

Logistics Center reinforcement: Yes

Solution 6

Insurance: FULL insurance

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€]	148.37	27.5	0.25	0.0	0.0
Business recovery [M€]	2.495	1.741	0.172	0.03	0.03
TOTAL [M€]	178.365	44.241	6.372	0.78	0.03

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€]	0.0	0.0	0.0	0.0	0.0
Loss of business income [M€]	0.0	0.0	0.0	0.0	0.0
Business recovery [M€]	0.0	0.0	0.0	0.0	0.03
TOTAL [M€]	125.87	0.0	0.0	0.0	0.03

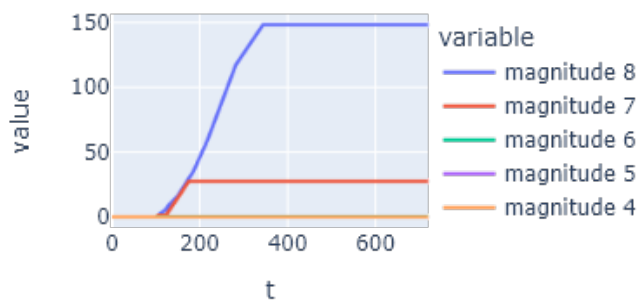
Total expected loss [M€]	0.445
Total BCP implementation cost [M€]	0.259
Total insurance price [M€]	0.5

TOTAL EXPECTED COST OF BC STRATEGY [M€]	1.204
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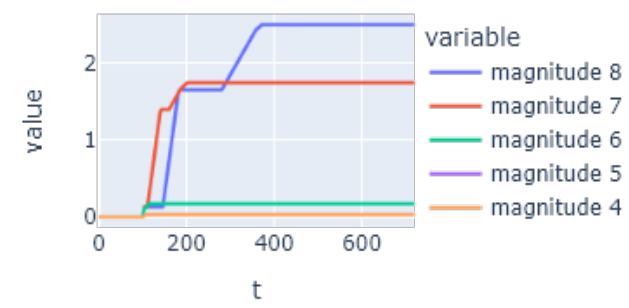
BUSINESS IMPACTS TABLE													
CW. activities	Impacts evaluation											MTPD	RTO
	days	1-3	3-7	7-14	14-30	30-45	45-60	60-90	90-180	180-360	>360		
Manufacturing	Contarctual sales	0	0	0	0	0	0	0	0	0	0	180	7
	Offline sales	1	1	1	1	1	2	2	2	3	3		
	Non-delivery sales	1	1	1	1	1	2	2	2	3	3		
	Contractual penal.	0	0	0	0	0	0	1	2	2	2		
Assembly	Contarctual sales	0	0	0	0	0	0	0	0	0	0	180	7
	Offline sales	1	1	1	1	2	2	2	2	3	3		
	Non-delivery sales	1	1	1	1	2	2	2	2	3	3		
	Contractual penal.	0	0	0	0	0	0	1	2	2	2		
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	7

CHARTS

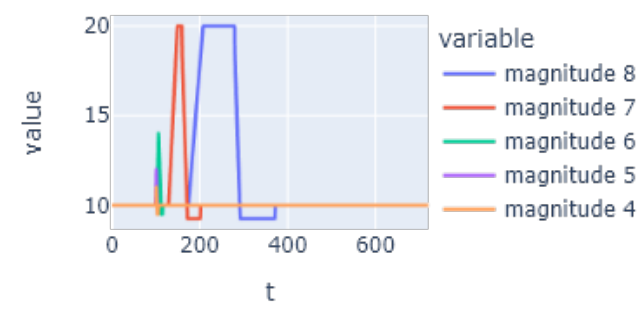
Loss from business income



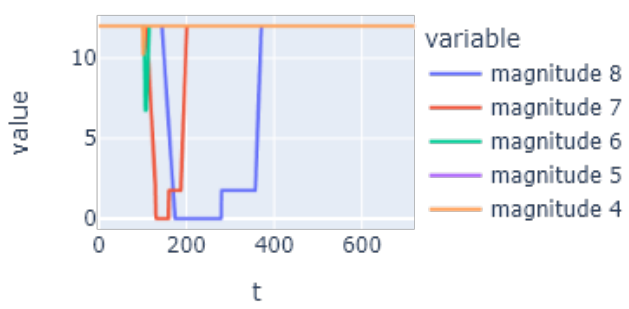
Business recovery



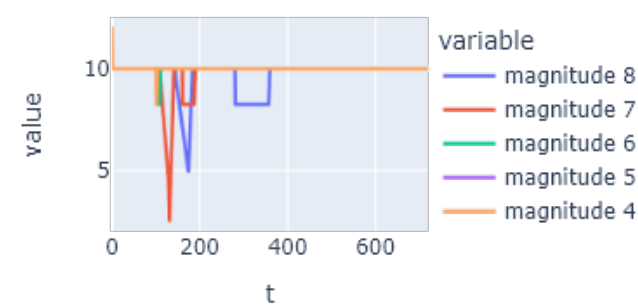
Raw material stock level



Internal parts stock level



External parts stock level



Finished products stock level

