



POLITECNICO
MILANO 1863

Business Continuity Game - Auto parts manufacturer company
group30
24/11/2023 - 11:20:03

Solution 1

Additional stocking capacity for finished products: 3

Solution 2

Additional stocking capacity for raw material: 12

Additional stocking capacity for internal parts: 8

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: No

Backup assembly equipment: No

Solution 4

Alternative outbound transport (Finished products): 12

Alternative inbound transport (Raw material): 9

Alternative inbound transport (Raw material): 9

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€]	161.93	27.67	0.25	0.0	0.0
Business recovery [M€]	2.319	2.648	0.296	0.01	0.0
TOTAL [M€]	187.749	42.918	5.496	0.76	0.0

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€]	161.93	27.67	0.25	0.0	0.0
Business recovery [M€]	0.0	0.0	0.0	0.0	0.0
TOTAL [M€]	185.43	40.27	5.2	0.75	0.0

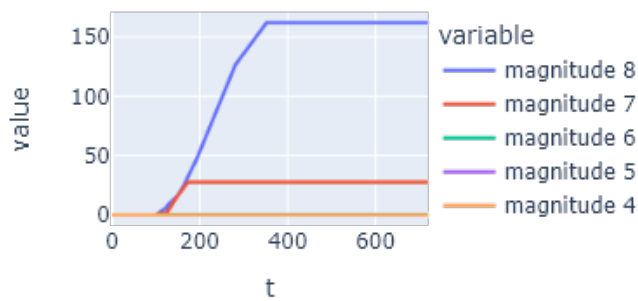
Total expected loss [M€]	1.874
Total BCP implementation cost [M€]	0.197
Total insurance price [M€]	0.02

TOTAL EXPECTED COST OF BC STRATEGY [M€]	2.091
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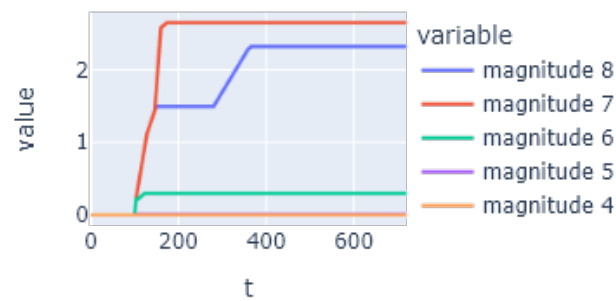
BUSINESS IMPACTS TABLE													
CW. activities	Impacts evaluation											MTPD	RTO
	days	1-3	3-7	7-14	14-30	30-45	45-60	60-90	90-180	180-360	>360		
Manufacturing	Contractual sales	0	0	0	0	0	0	0	0	0	0	60	30
	Offline sales	0	1	1	1	2	2	2	3	3	3		
	Non-delivery sales	0	0	1	2	2	2	3	3	3	3		
	Contractual penal.	0	0	0	0	1	1	1	2	3	3		
Assembly	Contractual sales	0	0	0	0	0	0	0	0	0	0	90	30
	Offline sales	0	0	0	1	1	2	2	3	3	3		
	Non-delivery sales	0	0	0	1	2	2	2	3	3	3		
	Contractual penal.	0	0	0	0	1	1	1	2	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

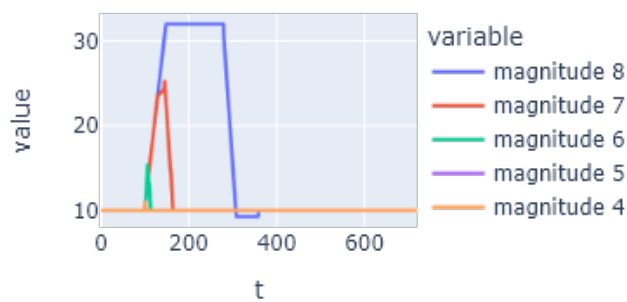
Loss from business income



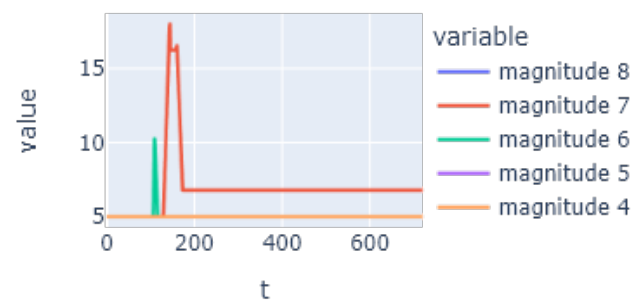
Business recovery



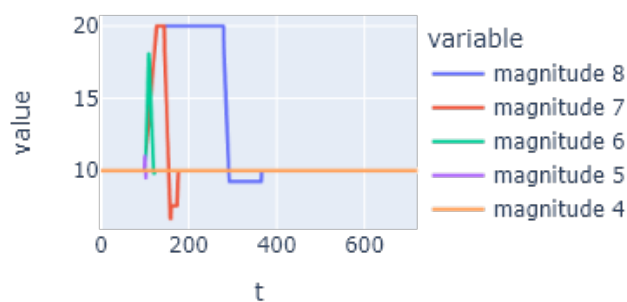
Raw material stock level



Internal parts stock level



External parts stock level



Finished products stock level

