



POLITECNICO
MILANO 1863

Business Continuity Game - Auto parts manufacturer company
group22
24/11/2023 - 11:09:23

Solution 1

Additional stocking capacity for finished products: 8

Solution 2

Additional stocking capacity for raw material: 0

Additional stocking capacity for internal parts: 7

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: 5

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: Package 4

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€]	156.39	32.1	0.25	0.0	0.0
Business recovery [M€]	2.384	1.588	0.211	0.01	0.01
TOTAL [M€]	186.274	48.688	6.411	0.76	0.01

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€]	156.39	32.1	0.25	0.0	0.0
Business recovery [M€]	0.0	0.0	0.0	0.0	0.01
TOTAL [M€]	173.89	41.1	3.7	0.75	0.01

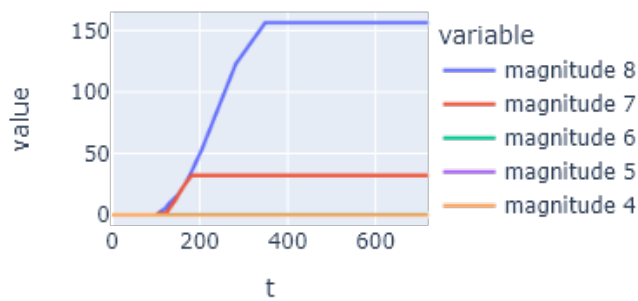
Total expected loss [M€]	1.806
Total BCP implementation cost [M€]	0.277
Total insurance price [M€]	0.11

TOTAL EXPECTED COST OF BC STRATEGY [M€]	2.193
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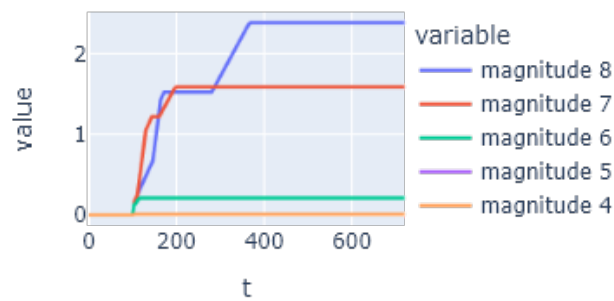
BUSINESS IMPACTS TABLE													
CW. activities	Impacts evaluation											MTPD	RTO
	days	1-3	3-7	7-14	14-30	30-45	45-60	60-90	90-180	180-360	>360		
Manufacturing	Contarctual sales	0	0	0	0	0	0	0	0	0	0	180	7
	Offline sales	1	1	1	1	1	2	2	2	3	3		
	Non-delivery sales	1	1	1	1	1	2	2	2	3	3		
	Contractual 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

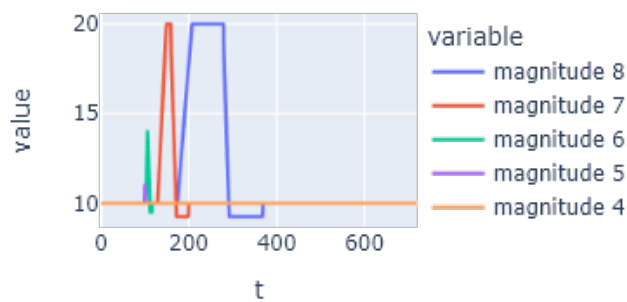
Loss from business income



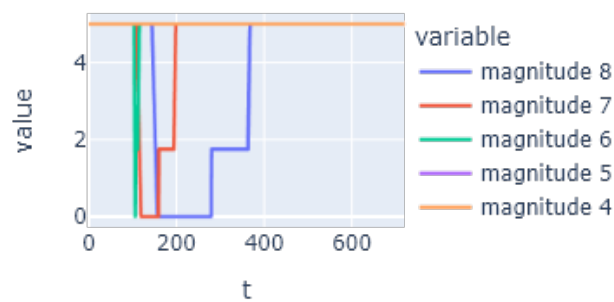
Business recovery



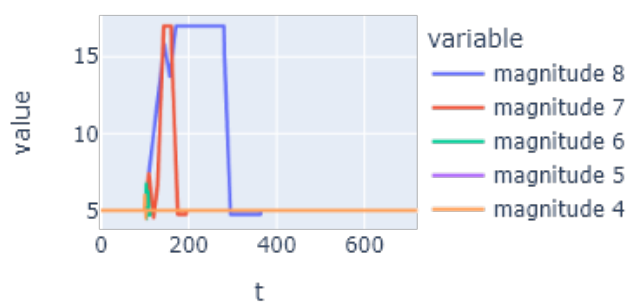
Raw material stock level



Internal parts stock level



External parts stock level



Finished products stock level

