



POLITECNICO
MILANO 1863

Business Continuity Game - Auto parts manufacturer company
group11
24/11/2023 - 12:07:38

Solution 1

Additional stocking capacity for finished products: 1

Solution 2

Additional stocking capacity for raw material: 2

Additional stocking capacity for internal parts: 3

Additional stocking capacity for external parts: 3

Default stocking level for internal parts: 9

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): 20

Alternative inbound transport (Raw material): 5

Alternative inbound transport (Raw material): 5

Solution 5

Earthquake-proof Main Facility: No

Warehouse reinforcement: No

Logistics Center reinforcement: No

Solution 6

Insurance: Package 2

RESULTS

EXPECTED LOSSES FROM BUSINESS DISRUPTION					
Magnitude	8+	7-8	6-7	5-6	5-
Damage to physical infrastructures [M€]	20.0	12.0	5.0	0.0	0.0
Damage to other properties [M€]	20.7	11.0	3.85	0.75	0.0
Loss from business income [M€]	161.93	32.89	0.25	0.0	0.0
Business recovery [M€]	2.1	1.53	0.26	0.01	0.0
TOTAL [M€]	204.73	57.42	9.36	0.76	0.0

NET LOSS (AFTER INSURANCE)					
Magnitude	8+	7-8	6-7	5-6	5-
Physical infrastructure [M€]	10.0	2.0	0.0	0.0	0.0
Other property [M€]	5.7	0.0	0.0	0.0	0.0
Loss of business income [M€]	161.93	32.89	0.25	0.0	0.0
Business recovery [M€]	2.1	1.53	0.26	0.01	0.0
TOTAL [M€]	179.73	36.42	0.51	0.01	0.0

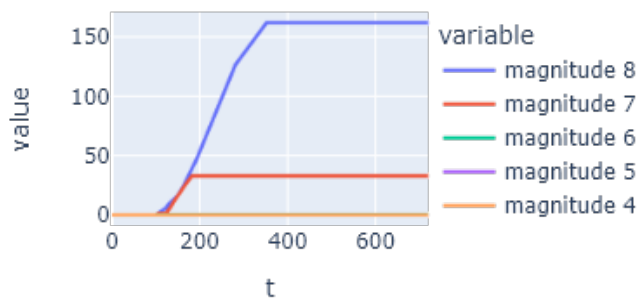
Total expected loss [M€]	1.015
Total BCP implementation cost [M€]	0.017
Total insurance price [M€]	0.3

TOTAL EXPECTED COST OF BC STRATEGY [M€]	1.332
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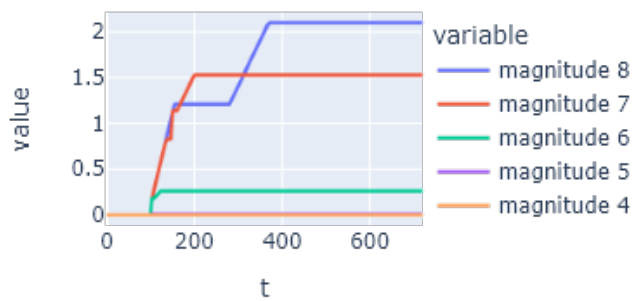
BUSINESS IMPACTS TABLE													
CW. activities	Impacts evaluation											MTPD	RTO
	days	1-3	3-7	7-14	14-30	30-45	45-60	60-90	90-180	180-360	>360		
Manufacturing	Contractual sales	0	0	0	0	0	0	0	0	0	0	90	45
	Offline sales	0	0	0	0	0	0	0	0	0	0		
	Non-delivery sales	0	0	0	0	1	2	2	3	3	3		
	Contractual penal.	0	0	0	0	1	1	1	3	3	3		
Assembly	Contractual sales	0	0	0	0	0	0	0	0	0	0	90	30
	Offline sales	0	0	0	0	0	0	0	0	0	0		
	Non-delivery sales	0	0	0	1	2	2	2	3	3	3		
	Contractual penal.	0	0	0	0	1	1	2	3	3	3		
Order acq.	Online sales	1	1	1	2	2	2	3	3	3	3	60	7
IT systems	Online sales	1	1	1	1	2	2	2	3	3	3	90	7

CHARTS

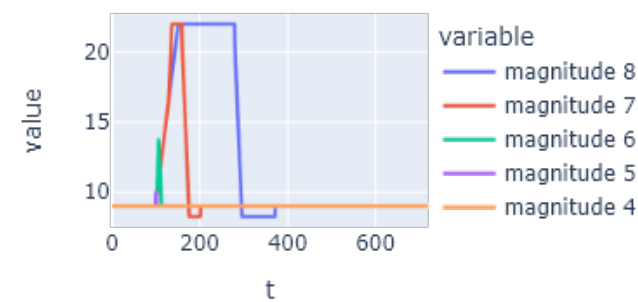
Loss from business income



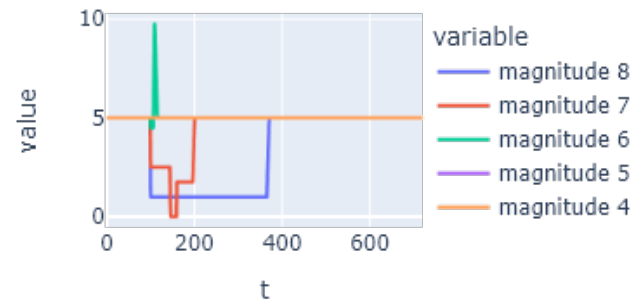
Business recovery



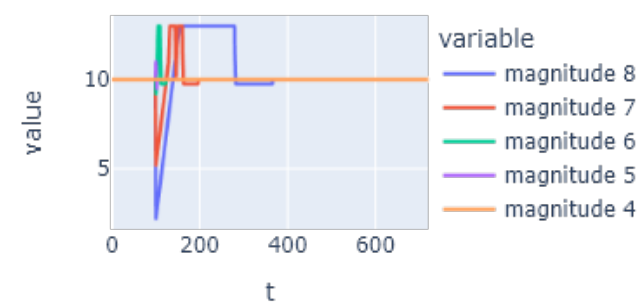
Raw material stock level



Internal parts stock level



External parts stock level



Finished products stock level

