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Title Project : Projet Num 314

Created by : trhgtg thtrht

Type :

Departement :

Probability Scale

Relative concentration of risk		Probability of occurrence
0.76	0.9	0.21

Estimation of Impact

	Impact : IP	Impact : IC	Impact : ID	Impact : IE
E1	1	1	1	1
E2	1	1	1	1
E3	1	1	1	1
E4	1	1	1	1
E5	1	1	1	1
E6	1	1	1	1

Les Matrices AHP

E1

	F1	F2	F3	F4	Weight
F1	1.0	5.0	3.0	0.5	0.28399639469803273
F2	0.2	1.0	0.5	0.13	0.05860181631781908
F3	0.3333333333333333	2.0	1.0	0.14	0.09579574540112974
F4	2.0	7.692307692307692	7.142857142857142	1.0	0.5616060435830185

E2

	F1	F2	F3	F4	Weight
F1	1.0	3.0	0.25	0.5	0.139023850491032
F2	0.3333333333333333	1.0	0.11	0.14	0.04786580671065815

	F1	F2	F3	F4	Weight
F3	4.0	9.090909090909092	1.0	2.0	0.5214532087793806
F4	2.0	7.142857142857142	0.5	1.0	0.29165713401892923

E3

	F1	F2	F3	F4	Weight
F1	1.0	4.0	0.33	2.0	0.21739181139952285
F2	0.25	1.0	0.13	0.5	0.061592599959238735
F3	3.0303030303030303	7.692307692307692	1.0	7.0	0.6156968868571177
F4	0.5	2.0	0.14285714285714285	1.0	0.10531870178412082

E4

	F1	F2	F3	F4	Weight
F1	1.0	2.0	4.0	7.0	0.5093201086157916
F2	0.5	1.0	3.0	5.0	0.3080435997204182
F3	0.25	0.3333333333333333	1.0	2.0	0.11854757507297145
F4	0.14285714285714285	0.2	0.5	1.0	0.06408871659081858

E5

	F1	F2	F3	F4	Weight
F1	1.0	6.0	8.0	2.0	0.5427266918939231
F2	0.16666666666666666	1.0	3.0	0.33	0.11098424562978977
F3	0.125	0.3333333333333333	1.0	0.17	0.05063739197677129
F4	0.5	3.0303030303030303	5.88235294117647	1.0	0.2956516704995158

E6

	F1	F2	F3	F4	Weight
F1	1.0	0.33	3.0	4.0	0.2525456624186355
F2	3.0303030303030303	1.0	5.0	7.0	0.5747914666838356
F3	0.3333333333333333	0.2	1.0	2.0	0.10760738795087073
F4	0.25	0.14285714285714285	0.5	1.0	0.06505548294665812

Calculation of the risk factor concentration for each undesirable event

Undesirable event	Linked risk factor category	Factors of category Xi	Weighting: Yi	Xi*Yi	Fraction of total Eq	Probability of Occurrence	Max Impact	Level of Risk
E1	F1	0	4.0	0.0	--	--	--	--
			Sub-Total E1	0.0	0.0	0.1	1.0	0.0
E2			Sub-Total E2	0.0	0.0	0.1	1.0	0.0
E3			Sub-Total E3	0.0	0.0	0.1	1.0	0.0
E4			Sub-Total E4	0.0	0.0	0.1	1.0	0.0
E5			Sub-Total E5	0.0	0.0	0.1	1.0	0.0
E6			Sub-Total E6	0.0	0.0	0.1	1.0	0.0
			Total	0.0	100 %			

Result :

Accepted Risks	
Code	Description
E1	Work-related illness
E2	Drop in productivity
E3	Drop in quality
E4	Inadequate design
E5	Pollution
E6	Explosion and fire

Risks à reduire	
Code	Description