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# Title Project : Projet Num 314

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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
F1	1.0	5.0	3.0	0.5
F2	0.2	1.0	0.5	0.13
F3	0.3333333333333333	2.0	1.0	0.14
F4	2.0	7.692307692307692	7.142857142857142	1.0

### E2

	F1	F2	F3	F4
F1	1.0	3.0	0.25	0.5
F2	0.3333333333333333	1.0	0.11	0.14
F3	4.0	9.090909090909092	1.0	2.0
F4	2.0	7.142857142857142	0.5	1.0

### E3

	F1	F2	F3	F4
F1	1.0	4.0	0.33	2.0
F2	0.25	1.0	0.13	0.5
F3	3.0303030303030303	7.692307692307692	1.0	7.0
F4	0.5	2.0	0.14285714285714285	1.0

## E4

	F1	F2	F3	F4
F1	1.0	2.0	4.0	7.0
F2	0.5	1.0	3.0	5.0
F3	0.25	0.3333333333333333	1.0	2.0
F4	0.14285714285714285	0.2	0.5	1.0

## E5

	F1	F2	F3	F4
F1	1.0	6.0	8.0	2.0
F2	0.16666666666666666	1.0	3.0	0.33
F3	0.125	0.3333333333333333	1.0	0.17
F4	0.5	3.0303030303030303	5.88235294117647	1.0

## E6

	F1	F2	F3	F4
F1	1.0	0.33	3.0	4.0
F2	3.0303030303030303	1.0	5.0	7.0
F3	0.3333333333333333	0.2	1.0	2.0
F4	0.25	0.14285714285714285	0.5	1.0

## Calculation of the risk factor concentration for each undesirable event

Undesirable event	Linked risk factor category	Factors of category Xi	Weighting: Yi	$X_i \cdot Y_i$	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

Undesirable event	Linked risk factor category	Factors of category Xi	Weighting: Yi	$X_i \cdot Y_i$	Fraction of total Eq	Probability of Occurrence	Max Impact	Level of Risk
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