

Example of Critical Equipment Classification

Evaluation Factor	Level 1	Level 2	Level 3
Safety – Risks to people	Equipment failure could seriously harm people	Equipment failure causes risks to people	No consequence
Environment – Risks to the environment	Equipment failure seriously affects the environment	Equipment failure causes risks to the environment	No consequence
Quality – Effect of failure on product quality	Failure affects quality, generating out-of-specification products or affecting seriously the revenue	Equipment failure makes product quality variable and affects revenue	No effect on product or revenue
Working Shift – Equipment usage	Equipment is required 24 hours per day	Equipment is used more than half of a day	Occasional use
Production – Failure effect on production	Equipment failure causes total interruption of production	Failure causes interruption of an important system or unit, or reduces production	There is spare equipment or it is cheaper to repair the equipment after failure
Frequency	Many shutdowns due to failures (more the once per 6 months)	Occasional shutdowns (once per 6 months)	Not frequent (less than once a year)
Cost	Repair time and costs are very high	Repair time and costs are high	Repair time and costs are not significant