

Matriz Causa y Efecto

Importancia de Causa	1	2	3	4	5	6	7	8	9	10	Total
1. Falta de capacitación	5	4	3	2	1	0	0	0	0	0	12
2. Falta de mantenimiento	4	3	2	1	0	0	0	0	0	0	10
3. Falta de inspección	3	2	1	0	0	0	0	0	0	0	6
4. Falta de documentación	2	1	0	0	0	0	0	0	0	0	2
5. Falta de comunicación	1	0	0	0	0	0	0	0	0	0	0
6. Falta de recursos	0	0	0	0	0	0	0	0	0	0	0
7. Falta de liderazgo	0	0	0	0	0	0	0	0	0	0	0
8. Falta de visión	0	0	0	0	0	0	0	0	0	0	0
9. Falta de compromiso	0	0	0	0	0	0	0	0	0	0	0
10. Falta de innovación	0	0	0	0	0	0	0	0	0	0	0
Total	10	7	6	4	2	0	0	0	0	0	125

FMEA



Top 10 Critical Causes

Rank	Cause	Severity	Occurrence	Detection	RPN	Control
1	Falta de capacitación	5	4	3	60	Capacitación
2	Falta de mantenimiento	4	3	2	24	Mantenimiento
3	Falta de inspección	3	2	1	6	Inspección
4	Falta de documentación	2	1	0	0	Documentación
5	Falta de comunicación	1	0	0	0	Comunicación
6	Falta de recursos	0	0	0	0	Recursos
7	Falta de liderazgo	0	0	0	0	Liderazgo
8	Falta de visión	0	0	0	0	Visión
9	Falta de compromiso	0	0	0	0	Compromiso
10	Falta de innovación	0	0	0	0	Innovación

FMEA Scales for Severity, Occurrence & Detection

Severity Scale for Failure Modes & Effects (scale of 1 (least severe) to 10 (most severe) for each effect)

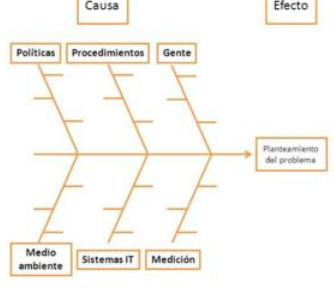
Rank	Severity	Description
10	Very High	Failure affects safety or health of the customer. Involves non-compliance with government regulations. May result in serious injury or death.
9	High	Failure affects safety or health of the customer. Involves non-compliance with government regulations. May result in serious injury or death.
8	Moderate	Failure affects safety or health of the customer. Involves non-compliance with government regulations. May result in serious injury or death.
7	Moderate	Failure affects safety or health of the customer. Involves non-compliance with government regulations. May result in serious injury or death.
6	Moderate	Failure affects safety or health of the customer. Involves non-compliance with government regulations. May result in serious injury or death.
5	Moderate	Failure affects safety or health of the customer. Involves non-compliance with government regulations. May result in serious injury or death.
4	Moderate	Failure affects safety or health of the customer. Involves non-compliance with government regulations. May result in serious injury or death.
3	Moderate	Failure affects safety or health of the customer. Involves non-compliance with government regulations. May result in serious injury or death.
2	Moderate	Failure affects safety or health of the customer. Involves non-compliance with government regulations. May result in serious injury or death.
1	Moderate	Failure affects safety or health of the customer. Involves non-compliance with government regulations. May result in serious injury or death.

Occurrence Scale for Potential Root Causes (scale of 1 (least frequent) to 10 (most frequent) for each root cause)

Rank	Occurrence	Description
10	Very High	Current controls almost certain to detect failure. Failure is frequent and occurs often.
9	High	Current controls almost certain to detect failure. Failure is frequent and occurs often.
8	High	Current controls almost certain to detect failure. Failure is frequent and occurs often.
7	Moderate	Current controls almost certain to detect failure. Failure is frequent and occurs often.
6	Moderate	Current controls almost certain to detect failure. Failure is frequent and occurs often.
5	Moderate	Current controls almost certain to detect failure. Failure is frequent and occurs often.
4	Moderate	Current controls almost certain to detect failure. Failure is frequent and occurs often.
3	Moderate	Current controls almost certain to detect failure. Failure is frequent and occurs often.
2	Moderate	Current controls almost certain to detect failure. Failure is frequent and occurs often.
1	Moderate	Current controls almost certain to detect failure. Failure is frequent and occurs often.

Detection Scale for Failure Occurrence (scale of 1 (lowest detected) to 10 (never detected) for each occurrence)

Rank	Detection	Description
10	Very High	Current controls almost certain to detect failure. Failure is frequent and occurs often.
9	High	Current controls almost certain to detect failure. Failure is frequent and occurs often.
8	High	Current controls almost certain to detect failure. Failure is frequent and occurs often.
7	Moderate	Current controls almost certain to detect failure. Failure is frequent and occurs often.
6	Moderate	Current controls almost certain to detect failure. Failure is frequent and occurs often.
5	Moderate	Current controls almost certain to detect failure. Failure is frequent and occurs often.
4	Moderate	Current controls almost certain to detect failure. Failure is frequent and occurs often.
3	Moderate	Current controls almost certain to detect failure. Failure is frequent and occurs often.
2	Moderate	Current controls almost certain to detect failure. Failure is frequent and occurs often.
1	Moderate	Current controls almost certain to detect failure. Failure is frequent and occurs often.



Critical characteristics are measurements or indicators that reflect safety or compliance with government regulations and need special controls

