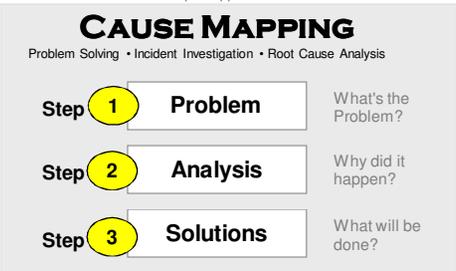


# 1 Problem

<b>What</b> When	Problem(s)	Contractor slip, hand injury	
	Date	August 30, 2013	
	Time	?	
<b>Where</b>	Different, unusual, unique	Safety guard removed from conveyor; accumulation of ice on floor	
	Facility, site	Baguette manufacturer in Leeds, Newcastle	
	Unit, area, equipment	Moving conveyor	
	Task being performed	Cleaning up after contract electrical work	
<b>Impact to the Goals</b>	<b>Safety</b>	Two fingertips amputated; third injured	
	<b>Environmental</b>	?	
	<b>Customer Service</b>	?	
	<b>Regulatory</b>	Fined by Health and Safety Executive	£8,500
	<b>Production/ Schedule</b>	?	
	<b>Property/ Equipment</b>	?	
	<b>Labor/ Time</b>	Four weeks off work	?
Frequency	37% of major accidents in the industry are a result of slips		This incident Annualized Cost £8,500 ?

Cause Mapping is a Root Cause Analysis method that captures basic cause-and-effect relationships supported with evidence.



# FINGERTIPS AMPUTATED AFTER SLIP ON ICE

Safety guard had previously been removed from equipment

Cause Map

"This worker's injuries should not and need not have happened. This incident was easily preventable had Country Style Foods Ltd ensured safety guards were in place on the machinery. The company should also have taken steps to prevent the accumulation of ice on the freezer floor. Guards and safety systems are there for a reason, and companies have a legal duty of care to ensure they are properly fitted and working effectively at all times. Slips and trips are the biggest cause of major injuries in the food and drink industry with 37% of all major accidents in the industry being as a result of slips."

- Shuna Rank, Health and Safety Executive (HSE) Inspector

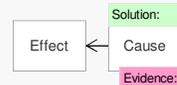
# 2 Analysis

Basic Level Cause Map - Start with simple Why questions.

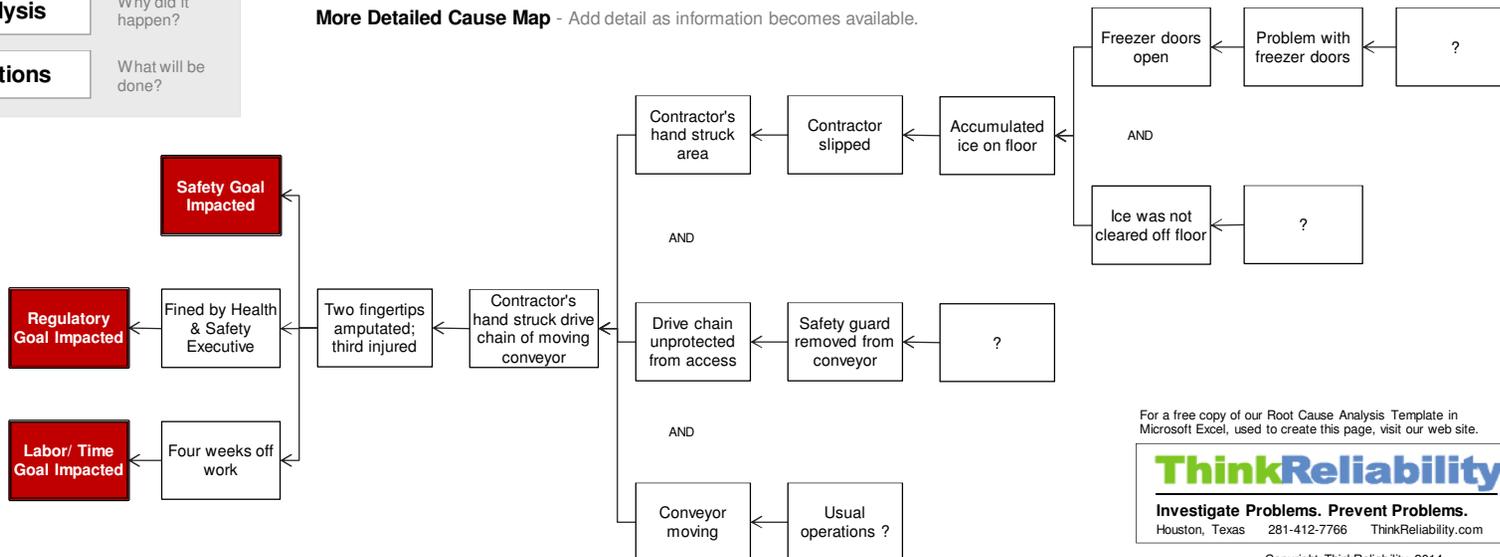


Basic Cause-and-Effect

Two of an electrical contractor's fingers were partially amputated and a third was injured when the contractor slipped on ice and contacted the drive chain of a moving conveyor. The safety guard had previously been removed from the conveyor.



More Detailed Cause Map - Add detail as information becomes available.



# 3 Solutions

In order to prevent similar incidents from occurring, the manufacturer must ensure that damage resulting in ice buildup is fixed as soon as possible and that in the meantime, ice is regularly cleared away and the area is marked as a slip hazard.

If a safety guard is removed for any reason, the conveyor should not be operating until it has been replaced properly.

Ensuring that equipment is in proper working order is essential to reduce the risk to workers such as the injuries demonstrated in this case.

For a free copy of our Root Cause Analysis Template in Microsoft Excel, used to create this page, visit our web site.

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