

1 Problem

What	Problem(s)	Intentional crash of plane
When	Date	March 24, 2015
	Time	9:40:47 GMT
	Different, unusual, unique	Pilot locked out of cockpit
Where	Facility, site	Near Seyne-les-Alpes, France
	Unit, area, equipment	Airbus A320
	Task being performed	Intentionally crashed into mountains

Impact to the Goals

Safety	150 killed (all aboard plane)
Property/ Equipment	Complete loss of plane
Labor/ Time	Recovery, investigation efforts

PLANE CRASH KILLS 150 IN ALPS

Cause Map

Co-pilot is believed to have brought plane down deliberately after locking pilot out of cockpit

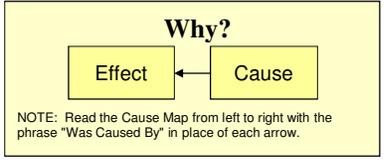
On March 24, 2015, a Germanwings flight crashed into the French Alps, killing all 150 onboard. Evidence available thus far suggests the copilot deliberately locked the pilot out of the cockpit and intentionally crashed the plane.

"If Germanwings had implemented a procedure to require a second person in the cockpit at all times - a rule that many other airlines followed - he would not have been able to lock the pilot out."

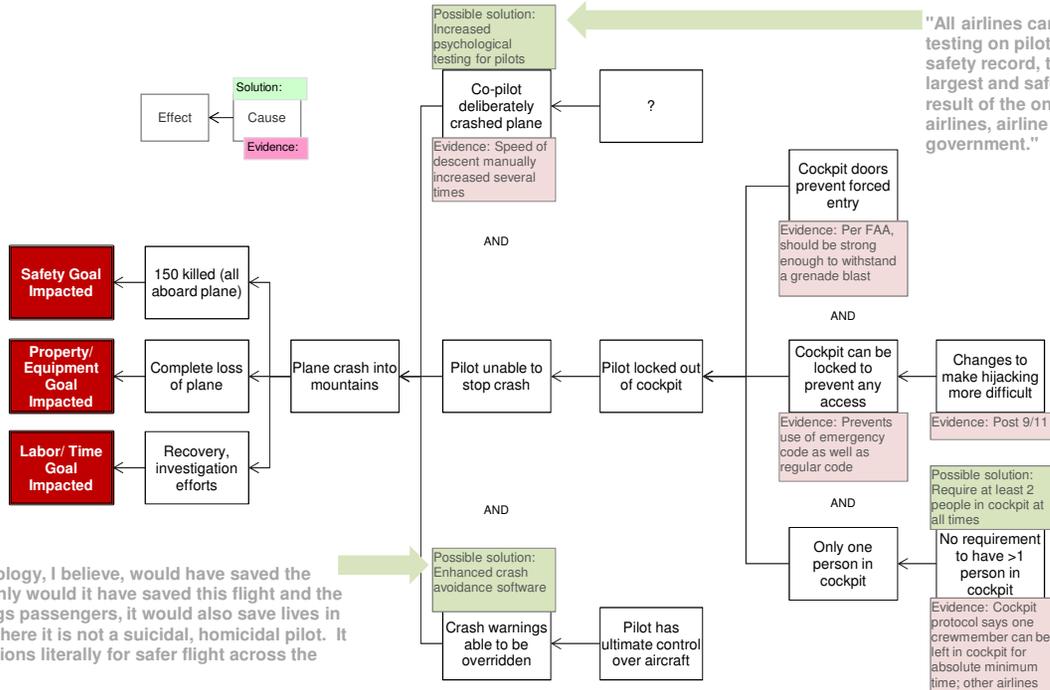
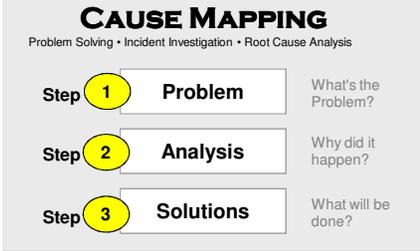
- Aviation lawyers Brian Alexander & Justin Green

2 Analysis

Cause Map - Add detail as information becomes available.



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



"All airlines can and do conduct fitness-for-duty testing on pilots if warranted. As evidenced by our safety record, the U.S. airline industry remains the largest and safest aviation system in the world as a result of the ongoing and strong collaboration among airlines, airline employees, manufacturers and government."

- Airlines for America

3 Solutions

"The flight deck is capable of accommodating three pilots and there shouldn't ever be a situation where there is only one person in the cockpit."

- James Hall, former chairman of the National Transportation Safety Board (NTSB)

"This technology, I believe, would have saved the flight. Not only would it have saved this flight and the Germanwings passengers, it would also save lives in situations where it is not a suicidal, homicidal pilot. It has implications literally for safer flight across the industry."

- Former Department of Transportation Inspector General Mary Schiavo

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