



***Marine Accident and
Incident
Investigations***

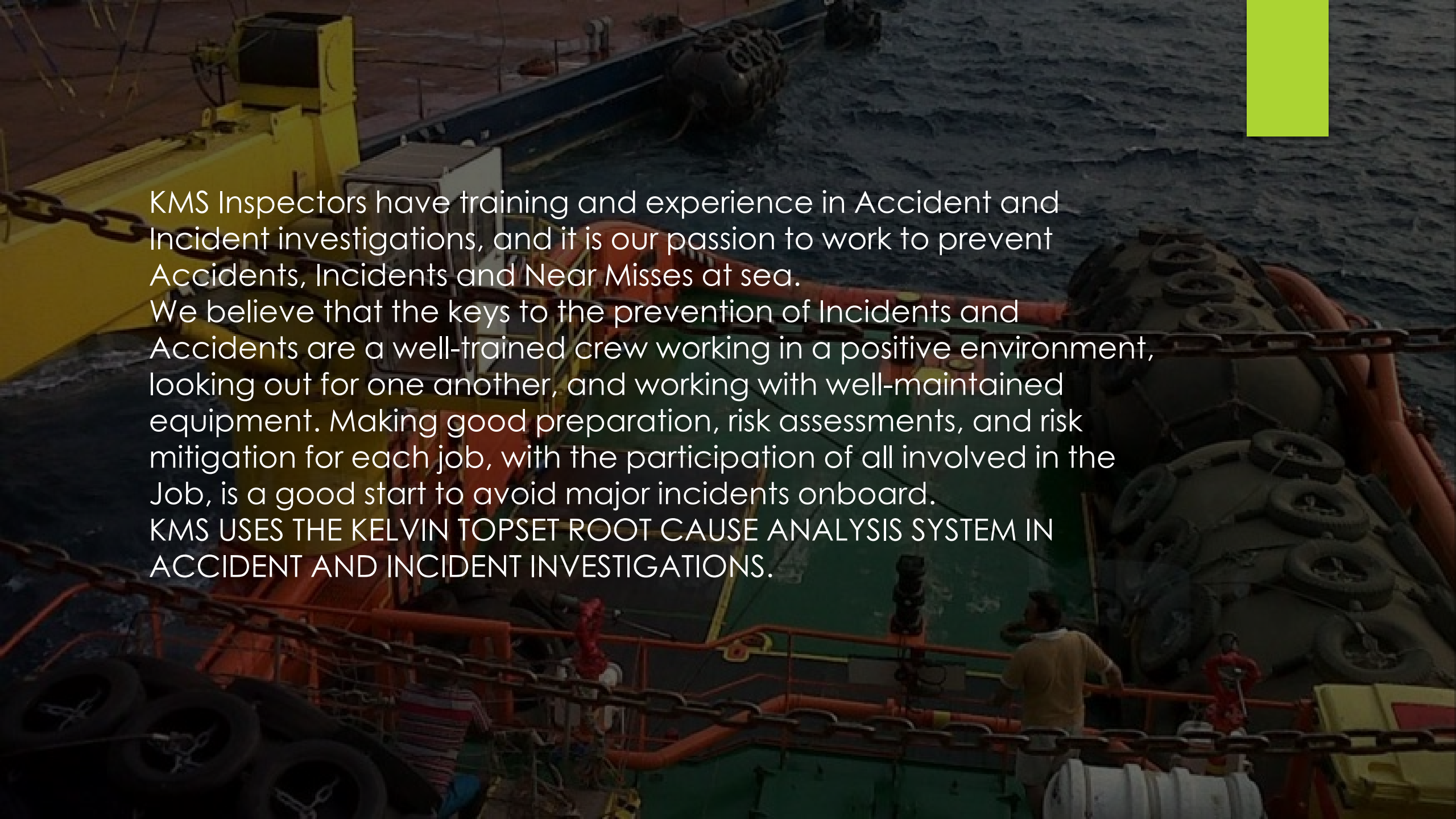
The Kelvin Topset Root Cause Analysis



KMS has assisted in Accident and Incident Investigations in Guyana, Ghana, and in Egypt. These incidents were on board Offshore support vessels.

1. Egypt Nov. 2019. Heavy Load applied to a vessel's Shark Jaw from the Vessels Winch during anchor handling causing damage to Shark Jaw.
2. Ghana Dec. 2020 During mooring operations between an Export Tanker and an SBM buoy, the attending Anchor handling Tug, lost control of the Engines and had a near miss, as it was very close to colliding with the stern of the Export Tanker it was assisting.
3. Guyana Oct. 2020 During Offloading cargo alongside a Drillship from the subject Platform Supply Vessel, an AB stepped on the Lifting sling and was thrown to the Deck when the crane started the lift.

WE CAN ASSIST YOU IN INVESTIGATIONS OF INCIDENTS, ACCIDENTS AND CARGO/VESSEL DAMAGES, WE CAN ALSO ASSIST YOU WITH PREVENTIONS THROUGH REVIEW AND RECOMMENDATION TO SAFETY MANGEMENT SYSTEMS, SAFETY MANAGMENT MANUALS AND RISK ASSESMENTS, THIS CAN BE DONE ON BOARD VESSELS OR REMOTELY.



KMS Inspectors have training and experience in Accident and Incident investigations, and it is our passion to work to prevent Accidents, Incidents and Near Misses at sea.

We believe that the keys to the prevention of Incidents and Accidents are a well-trained crew working in a positive environment, looking out for one another, and working with well-maintained equipment. Making good preparation, risk assessments, and risk mitigation for each job, with the participation of all involved in the Job, is a good start to avoid major incidents onboard.

KMS USES THE KELVIN TOPSET ROOT CAUSE ANALYSIS SYSTEM IN ACCIDENT AND INCIDENT INVESTIGATIONS.

The Picture illustrates the Root Cause Analysis from the Kelvin Topset system(RCA). The system requires that the Investigators are rigorous in identifying a Root Cause. Eg. If an incident seems to be caused by a technical failure, this might not be the root cause, why did the failure happen? Lack of Maintainance? Why? Lack of supervision? Why? Lack of Supplies? Why? And so on, the root cause can be something that is not obvious and it sometimes takes stamina to get to it, It is important that the Investigator is respectful and does not point fingers at people, and always seek good cooperation.

**KROLMARK MARINE
SERVICES SA PANAMA**

