



M-LOSA: The Smart Way to Improve Safety Management



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Introduction



Eastern Airlines Technic Co.,Ltd. (EASTEC) is a wholly-owned holding subsidiaries of China Eastern Airlines. EASTEC have 17 maintenance bases in China. The main business are aircraft line maintenance, aircraft overhual and component repair. The number of employees is more than 12,000.





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Challenges

The rapid development brought some safety management problems:

- Using the reactive method to identify Hazards can not be accepted.
- Hard to collect safety data from maintenance operation.
- Employees seldom got involved in the safety activities.
- Punitive management can not form a good safety culture.











EASTEC M-LOSA implementation flow chart :





How to collect data :

Electronic observation form

Benefits:

- Standardized data information
- ✓ Versatility
 - Easy to access the system by mobile phone
 - Save information on the Intranet directly
- ✓ Environmental protection



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How to analyze observation data :

- Classified by risk matrix \succ
- \triangleright Risk distribution chart







How to decide corrective actions :

A committee headed by leadship and employees, performed root cause analysis and used brainstorming method to develop/prioritize corrective actions.



Characteristics:



Success Story

 \rightarrow M-LOSA findings helped to improve tools management

 \rightarrow Before: To prevent the loss of tools, EASTEC requires that the toolbox must be locked when unattended. In fact, it is often found that the toolbox is not locked.

 \rightarrow After: Develop finger print lock for the toolbox. Finger print lock is more flexibility and reliability and welcomed by employees. The toolbox lock problem has been solved, and the tools loss problem has also been reduced.

全可靠的验证方式

-种安全、私密的新方 式。









Conclusions



- MLOSA provides a means to identify external and internal threats.
- MLOSA is a predictive hazard identification system for SMS that can
 - Reduce costs,
 - Improve safety, and
 - Improve efficiency.
- MLOSA provides a way to check procedural compliance.
- MLOSA provides a way for employees to get involved in the safety activities.
- MLOSA improves a company's safety culture.

Contact



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Thank you