

FMEA: Failure Mode and Effect Analysis



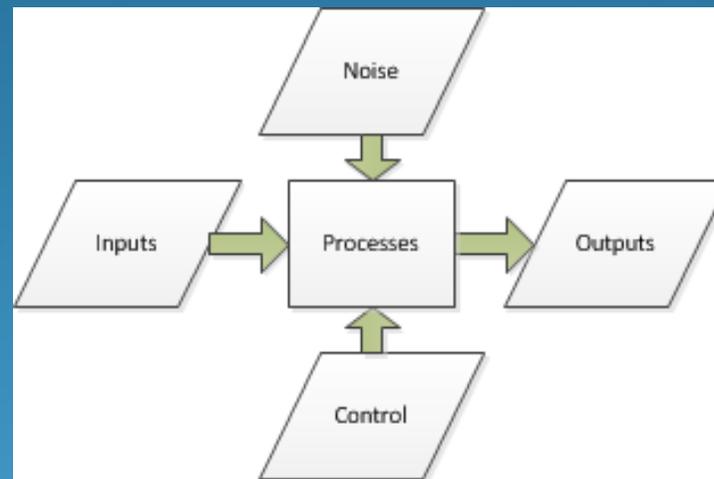
LIFT-TEK ELECAR S.p.A.

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What it is:

FMEA analysis is an analysis methodology which allows to systematically identify the risk factors, through process, product or system composition in elementary subsystems.



The objective

This method is a powerful tool initially developed in a military and aeronautical context and later applied to industrial processes to improve the quality of products and processes. This allows to increasingly approach, by means of a rational and objective analysis, the objective of having



“ZERO DEFECTS, ZERO FAILURES”



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Preventive analysis on our products

Lift-Tek Elecar has always aimed to grow and improve its products in a vision of development and co-design.

By listing and examining all the possible failure modes, the possible causes, the effects, occurrences and acting controls which allow to detect or prevent failure, a wide variety of possibilities opens up, which allows to reach a level of **stability of the project which is indispensable for products destined to be distributed worldwide on a large scale.**



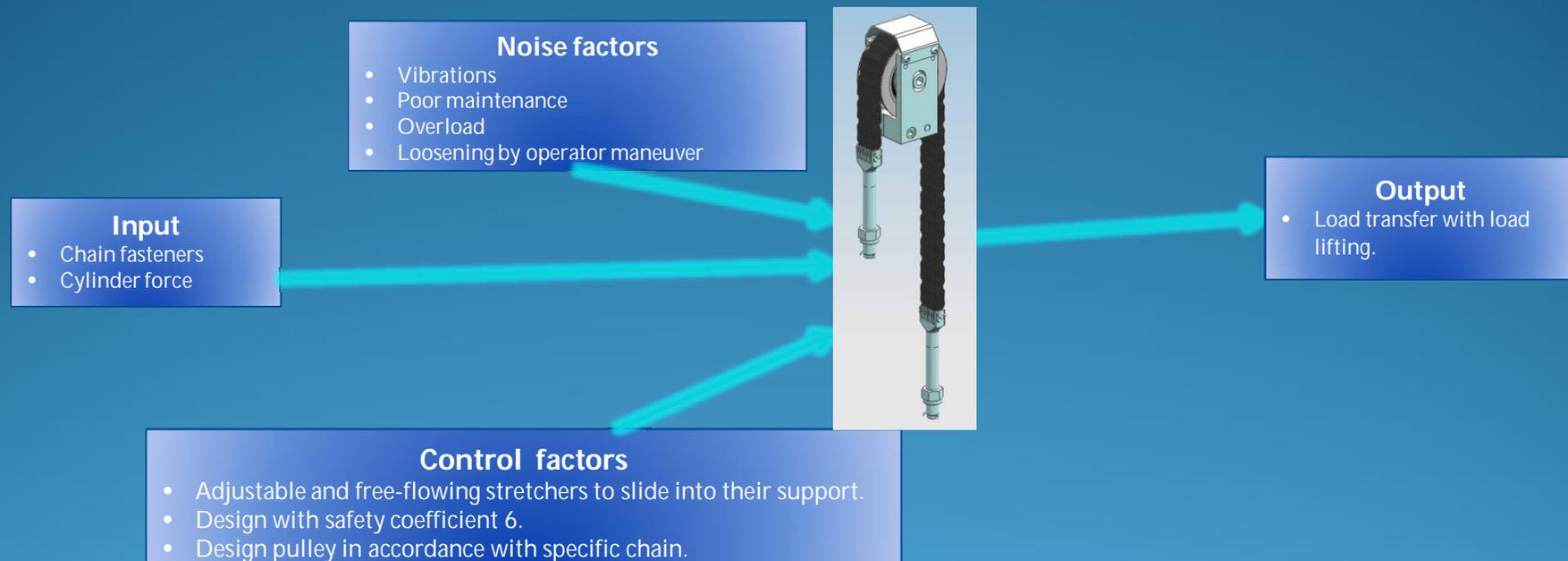
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This methodology allows to focus on all the system's input parameters, the desired output parameters, the control signals and factors and the noise factors.



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Frequency, occurrence and incidence of the various failure modes are analyzed for each and every component and function of the system.



By assigning them a score and applying corrective measures, it is possible to proceed towards a constant output, unaffected by any possible noise factor.