



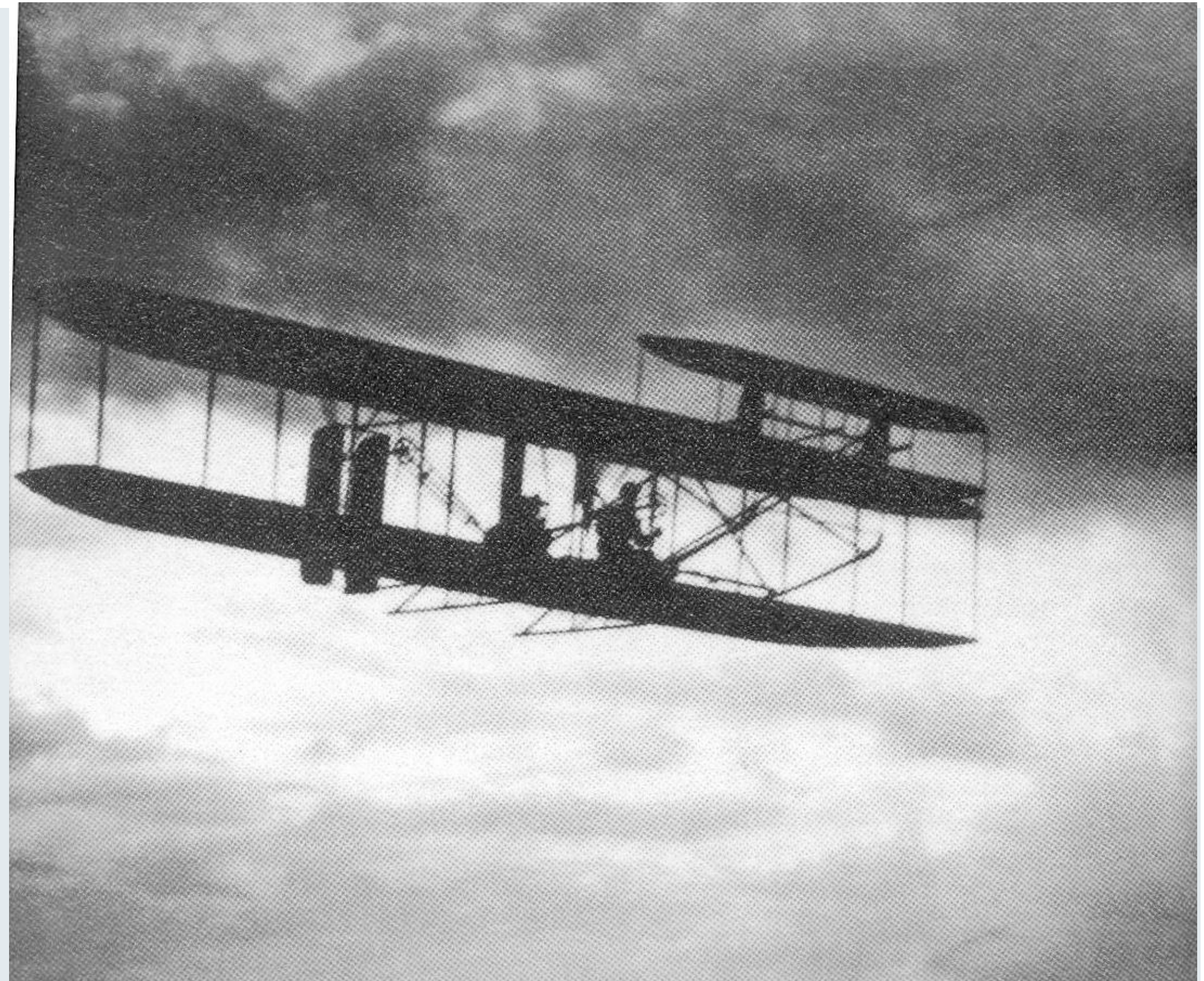
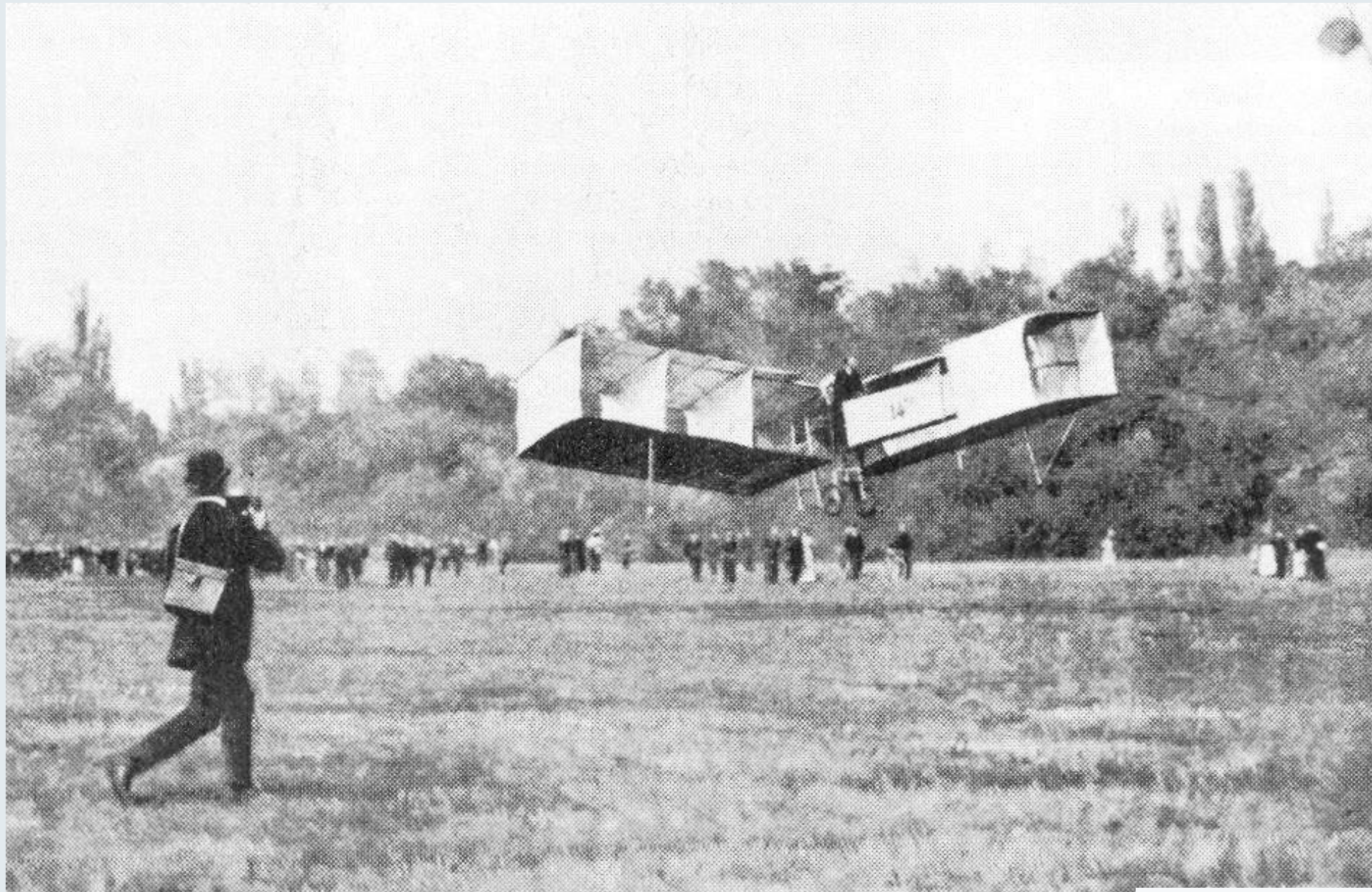
HUMAN FACTORS

It is a multidisciplinary field dedicated to optimizing human performance and reducing error in air operations.

Human factors try to bring the relationship between people and their activities to its optimal level, through the systematic application of the human sciences, integrated within the framework of systems engineering".

Human factors refer to people in their living and working situations, and to their relationship with machines, with the procedures and environments that surround them and to their relationships with others.

The beginnings



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***"A multidisciplinary
field"***

dedicated to optimizing
performance and
reducing human error.



It incorporates the methods and principles of behavioral sciences and social sciences, engineering, and physiology.

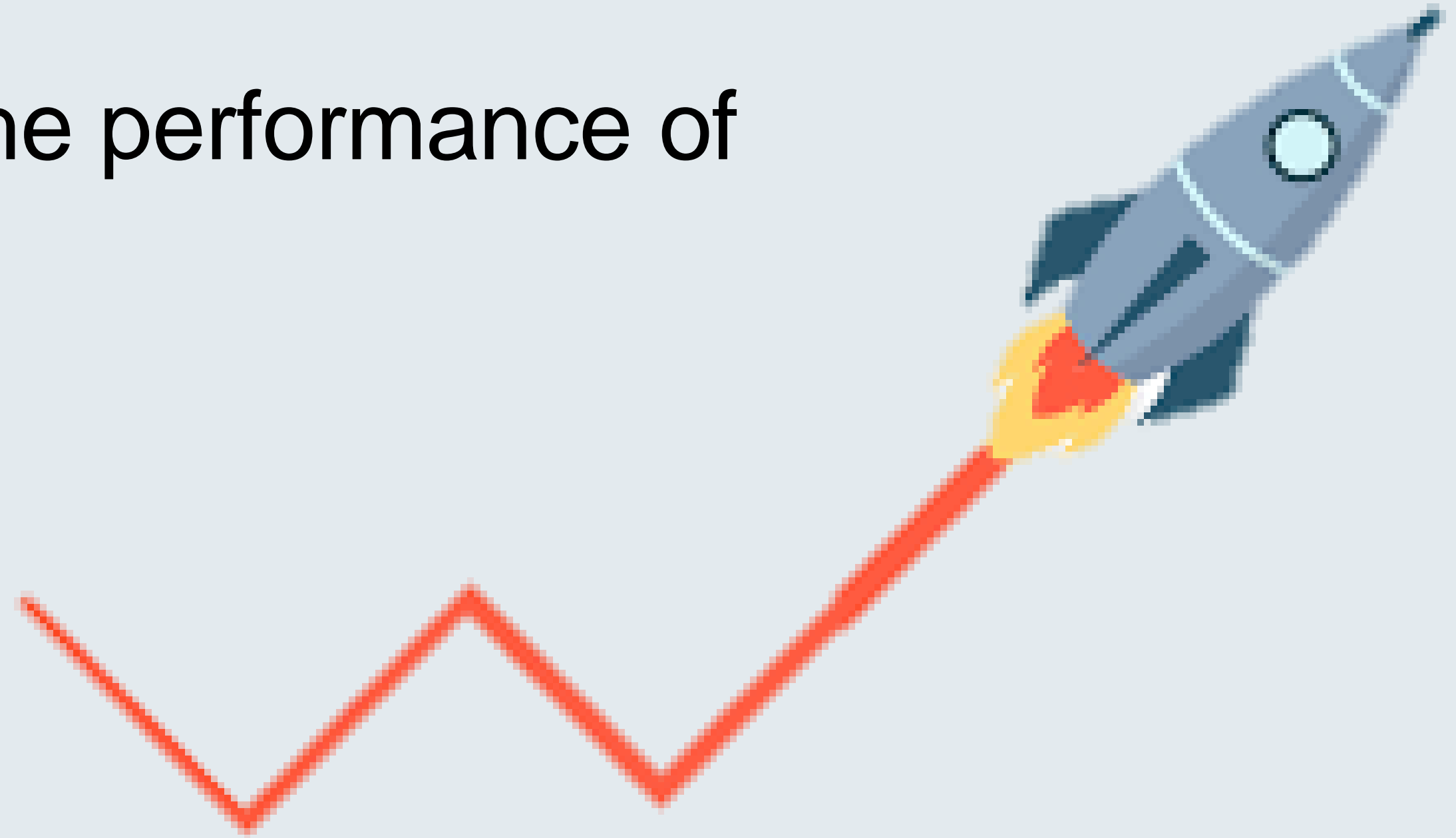


Human factors

It is the applied science that studies people working together and in relation to machines.



Human factors include variables that influence individual performance, and variables that influence the performance of the crew or work team.





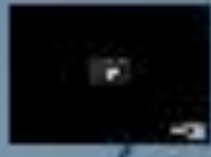
It is recognized that inadequate system design or inadequate operator training contributes to individual or group human error that leads to a degradation of system performance.”, (FAA-AC 120-51D).

FFHH vs RRHH

HUMAN FACTORS

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HUMAN RELATIONS



SHELL MODEL

HUMAN-MACHINE-ENVIRONMENT
INTERRELATION



S: *Software*

H: *Hardware*

E: *Environment*

L: *Liveware*



THANKS

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