

IMEQ AI SOFTWARE

Maritime Psychometrics Platform

Advanced AI-Based Psychometric Assessment Platform, a state-of-the-art solution designed to provide precise, insightful, and comprehensive maritime psychometric screening for seafarers and ashore employees.



Powered by Microsoft Azure



I.M.E.Q.®

INNOVATIVE MARITIME
EMOTIONAL INTELLIGENCE CENTER

Alexandra Kaloulis

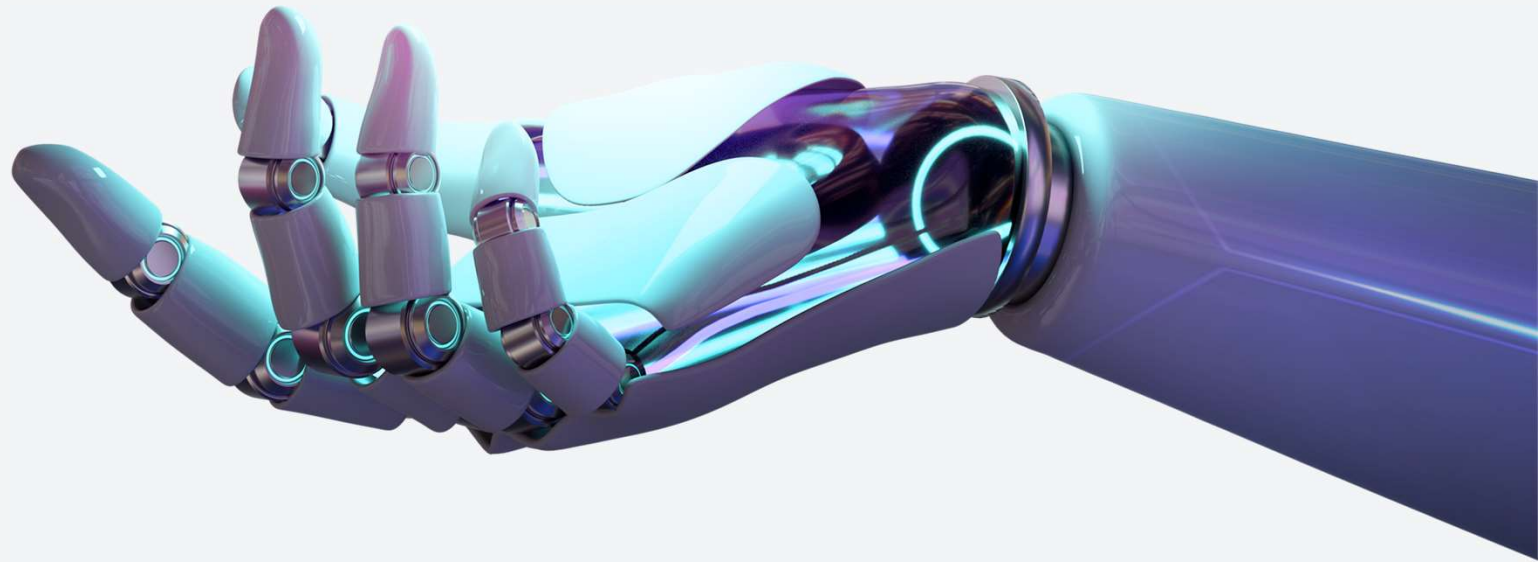
*Managing Director of IMEQ
ASSESSMENT CENTER*

**AI PSYCHOMETRICS
SCREENING SOLUTION**

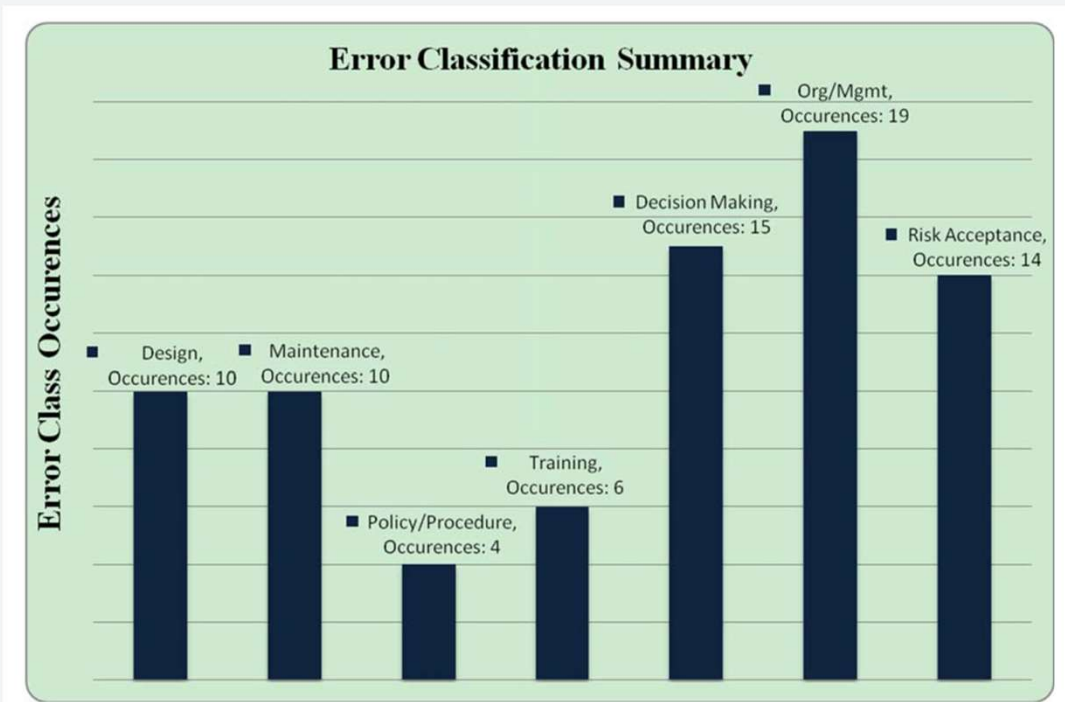


www.imeq-center.com

**How are all those energy efficient
solutions discussed here today
related to the human element?**



Human error analysis of the Macondo well blowout



Decision Making: Error resulting from a decision made in which safety was not the primary factor.

Organization/Management: Error caused by poor leadership in the organization or management due to a weakness in the safety culture.

Psychological safety: 46% of the workforce feared reprisals for reporting unsafe situations

Risk Perception/Risk Acceptance: Error resulting from actions with an unacceptable level of risk due to a weakness in the safety culture.

Communication: Error resulting from a failure to send or receive information.

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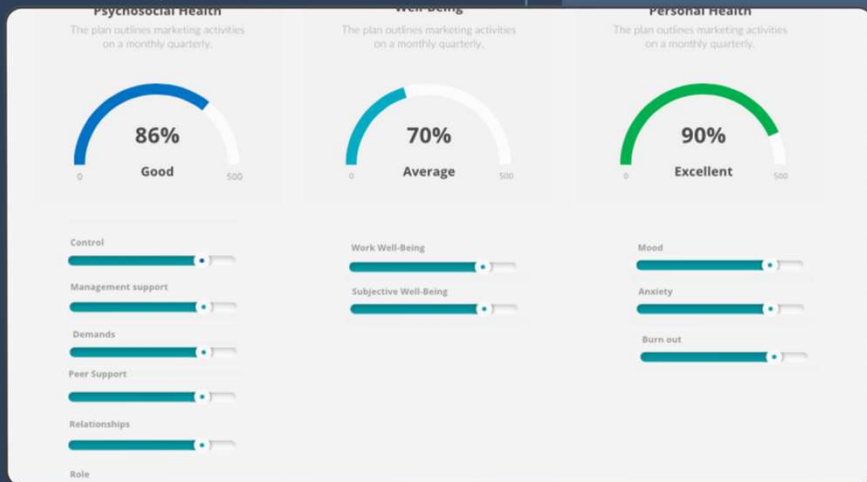
IMEQ© was founded in 2016 with a mission to safeguard crew psychological health and safety, while decrease risk factors associated with poor employee psychological health and workplace safety.



IMEQ has developed a psychological and soft skills screening procedure offered via an in-house software.



Our digital platform utilises standardized and evidence-based assessments, an advanced test flow process and machine learning algorithm, that provide objective data on psychological & personality traits, attitudes and skills to simplify the hiring process and improve job fit.



WHAT IS IMEQ's AI PSYCHOLOGICAL SCREENING INDEX?

James Liounis
MS in Data Science



Harvard John A. Paulson
School of Engineering
and Applied Sciences



**IMEQ's team of clinical
psychologists, mental health
consultants and software
developers.**

AI- Powered Psychological Screening Index

**In October 2023, IMEQ Center in collaboration
with Harvard University Alumni from the data
science department launched the first ever AI
powered Psychological Predictive index with 98%
accuracy.**

AND HOW DID WE DO IT?

AI MODELS: 10 trained, 2 selected to answer 2 questions

1. Is this person fit?

Random Forest Classifier:
Yes/No

2. How fit is this person?

XGB regressor: x%

Azure Cloud

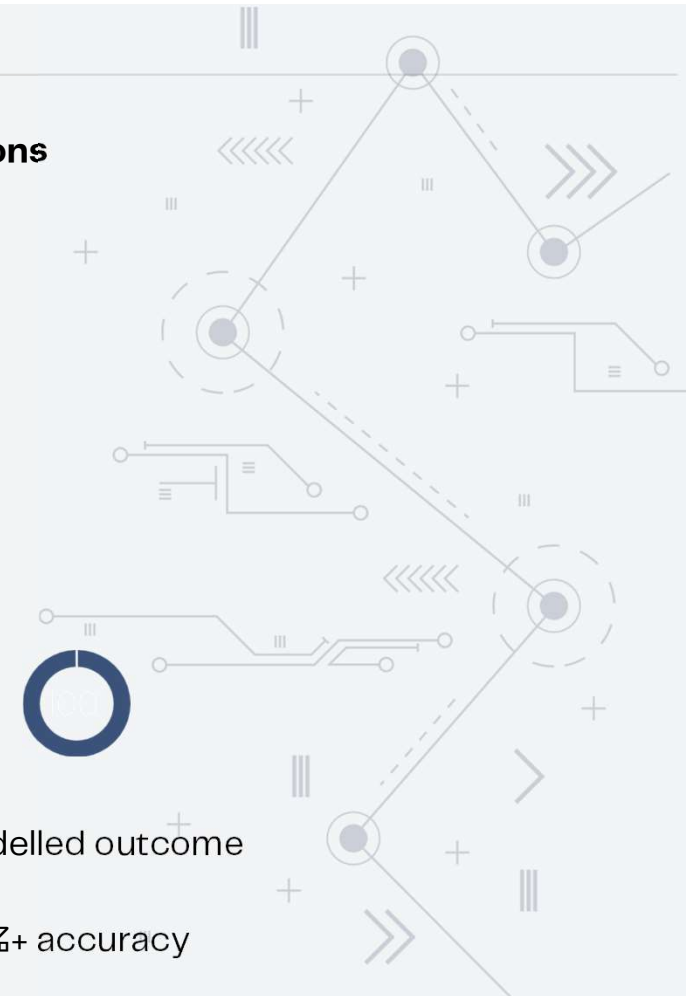


	Feature	Importance
2	ST1_GSI	0.242367
11	AutoAnx	0.153066
0	PsychologicalDistress	0.150001
4	ST1_ANX	0.105491
7	PSY	0.092804
3	ST1_DEP	0.074357
12	AutoDep	0.043257
5	ST1_IS	0.041512
9	Emotion	0.027500
8	Task	0.021213
6	PAR	0.020123
10	Avoidance	0.016513
1	StressCopingStyle	0.011797



Modelled outcome

98%+ accuracy





THE WHY

"Crew members who are mentally fit and motivated are more likely to perform their tasks efficiently and effectively."



Reduced Crew Turnover: Positive Organizational Culture



Aligning with ESG goals and expectations.



Attract investments, secure contracts



Energy-efficient decisions



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“HAPPIER SEAFARERS
SAFER JOURNEYS”.

VIDEO





I.M.E.Q.[©]

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