Risk Assessment Management



RAM SOFTWARE

FORCE Group

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Further than just a legislative obligation for all Employers, the Occupational Risk Assessment is the most critical process for a Company to organize its H&S management system in an effective way

MANAGEMENT FORCE

- is engaged in risk assessment projects systematically from its foundation until now
- has designed and applied the software "Risk Assessment Management" from the very beginning of its operation, aiming to optimize the quality of a risk study by providing:
 - Adequacy and completeness of data
 - Objective Assessment of risks
 - Ease of management (reading, printing, reviewing) of the risk assessment records



Evolution

RISK ASSESSMENT MANAGEMENT is now on its 3rd edition and has incorporated the experience of **MANAGEMENT FORCE** risk assessment projects.

- · Great solution for an adequate and appropriate workplace risk assessment
- Workplace and activities data recording
- Risk assessment worksheet (hazard, hazardous factor, control measure, people exposed, risk evaluation)
- Risk evaluation of each job position or any other exposed to risk
- · Pending actions monitoring
- · Revisions back up



Key Features

- · Multilanguage
- Network access
- · Built in hazards and controls database
- Easy data monitoring, grouping, sorting and exporting
- Selection of methodology (2 or 3 parameters)
- · Interface customized by the user
- · Reports customized by the user
- · Multi user access
- User action log

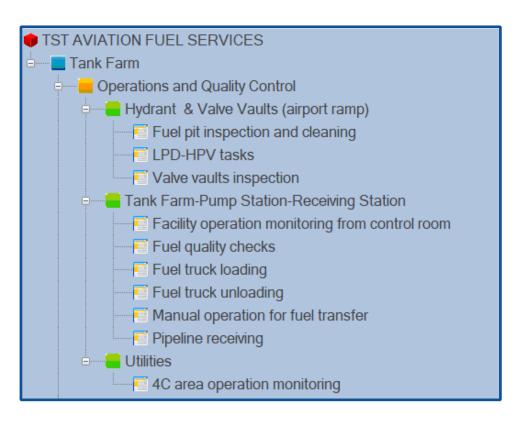


Organization Structure

Three-level structure:

- System
- Subsystem
- Section

Risk Assessment per Task





Pre-configured Hazards, Factors and Measures database

Haz	ards							
	English	Greek		Alba	nian			
•	Fall from height	Εργασία σε ύψ	η και σημεία αναρρίχησης					
	Uneven or slippery flat surfaces	Ανώμαλη ή ολι	σθηρή επιφάνεια					
	Loads/materials fall from height	Αιωρούμενα φ	ορτία/υλικά					
	Moving vehicles and powered industrial trucks	Κινούμενα οχή	ματα και μηχανές					
	High pressure	Υψηλές πιέσει	5					
	Manual handling	Ανύψωση ή με	ταφορά φορτίου χειρωνακτικά					
	Hot or cold surfaces - materials	Ζεστές ή κρύε	ς επιφάνειες, υλικά, κτλ.					
	Dangerous objects and surfaces (sharp, rough, etc.)	Αιχμηρές/επικί	νδυνες επιφάνειες και αντικείμενα					
Haz	ardous Factors							
	English	Greek		Alba	nian			
▶	Working with ladders	Εργασία με φα	Εργασία με φορητή σκάλα					
	Working at ceilings	Εργασία σε ορ	οφή					
	Working near well/excavation	Εργασία κοντά	σε εκσκαφή/φρεάτιο					
	Working at platforms	Εργασία σε απ	οβάθρα					
	Working at scaffolds	Εργασία σε σκ	αλωσιά					
	Working with lifting platforms	Εργασία με μη	χανικές ανυψωτικές διατάξεις/εξέδρες					
-								
RIS	k Control Measures	Legislation	Greek		Legislation	Albanian	Legislation	Category
	Employee health monitoring	Logislation	Ιατρική παρακολούθηση εργαζομένων		Legislation	Albaman	Legislation	Administrative
<u> </u>	Safety instructions for working with scaffolding		Οδηγίες Ασφαλούς Εργασίας για εργασ	πíες				
	Safety instructions for working with mobile ladders		Οδηγίες Ασφαλούς Εργασίας για εργασ					
	Employee training		Εκπαίδευση εργαζομένων					Administrative
•	Mobile ladder according to safety standards		Φορητή σκάλα σύμφωνα με προδιαγραφ	φές				Technical
	Scaffolding according to safety standards		Σκαλωσιά σύμφωνα με προδιαγραφές					
	Certification of scaffolding		Πιστοποίηση σκαλωσιάς					



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Selection of Assessment Methodology: 2 or 3 parameters

Two parameters:

- Severity (S) 0
- Likelihood (L) 0

Risk Level combination of S and L

Severity		
	Assessment	Description
1	Minor	Insignificant outcome, may be required first aid to
2	Small	Injuries that may require medical treatment. Abso
3	Critical	Injuries that require medical treatment and/or ho
4	Severe	Serious injuries that require medical treatment a
5	Catastrophic	Death or 1st degree incapability.
	3	2 Small 3 Critical 4 Severe

	Likelihood	Assessment	Description		
Þ	1	Very Unlikely	The likelihood		
	2	Unlikely	The likelihood		
	3	Likely	The likelihood		
	4	Very Likely	The likelihood		
	5	Certain	The likelihood		

4 1 2 - Low

Ris	sk Rating	
	Risk	Colo

	Risk Level	Color	Description
•	1 - Minimal	00FF00	Acceptable risk, no additional measures are required.
	2 - Low	FF6633	Acceptable risk with control measures in place.
		00FFFF	Acceptable risk, with the provision that control measures will be implemented in lon
	4 - High	0099FF	Unacceptable risk, control measures to be implemented in short term (no more tha
	5 - Very Hi	0000FF	Unacceptable risk, stop working until control measures to be implemented.
*			

		Severity											
			1	2	3	4	5						
	1		1 - Minimal	1 - Minimal	2 - Low	2 - Low	2 - Low						
		2	1 - Minimal	2 - Low	3 - Medium	3 - Medium	4 - High						
Description The likelihood The likelihood The likelihood	Likelihood	3	2 - Low	3 - Medium	3 - Medium	4 - High	5 - Very High						
The likelihood The likelihood		4	2 - Low	3 - Medium	4 - High	5 - Very High	5 - Very High						
Calculated R		5	2 - Low	4 - High	5 - Very High	5 - Very High	5 - Very High						
	sk			^									
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Selection of Assessment Methodology: 2 or 3 parameters

Three parameters:

- Severity (S)
- Likelihood (L)
- Frequency of Exposure (E)

Risk Level calculated by product: S x L x E

Severity			Li	kelihood			E	Exposure						
Severity	Assessment	Description ^		Likelihood	Assessment	Description ^		Exposure	Assessment	Description ^				
▶ 1		No impact in health	•	1		Almost impossible	•	1		The employee is exposed c				
2		First Aid Injury, Medical Trea		2	(~1%-10%)	High Unlikely		2		The employee is exposed c				
3		LTI, with absence ≤3 working		3	(~10%-25%)	Almost Unlikely		3		The employee is exposed c				
4		LTI, with absence between 3		4	(~24%-40%)	Lowly Possible		4		The employee is exposed c				
5		LTI, with absence ≥3 working		5	(~40%-50%)	Possible < 50%		5		The employee is exposed c				
6		LTI, with absence ≥3 working		6	(~50%-60%)	Very Possible = 50%		6		The employee is exposed c				
7		LTI, resulted to light disability		7	(~60%-70%)	Highly Possible > 60%		7		The employee is exposed c				
8		LTI, resulted to permanent d		8	(~70%-80%)	Likely		8		The employee is exposed c				
٥		ITL resulted to permanent to Y		٥	(~80%-00%)	Highly Likely Y		٥		The employee is evoced (
		7				7				,				
Risk Rating														
From To	Risk	Color Description												

	From To Risk Level Color		Color	Description	
	0	199	Acceptable	00FF00	Maintain necessary controls to ensure acceptable risk level
	200	399	Low	FF6633	Implementation of controls to reduce the risk in a timeframe of two (2) years
	400	599			Implementation of controls to reduce the risk in a timeframe of one (1) year
	600	799	High	0099FF	Implementation of controls to reduce the risk in a timeframe of six (6) months
	800	1000	Critical	0000FF	Immediate stop of the activity & implementation immediately of the necessary controls to prevent incidents and minimize the risk
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Hazard Measures and related information

- · User selection of visible columns
 - Measures Related Information:
 - Implemented
 - Due Date
 - Measure Category
 - Responsible person

Hazard	Hazardous Factors				Risk Contr	ol Measures			
		Measure	Implemented	Due Date	Category	Responsible	Legislation	Linked File	Comments
Airborne chemical substances	Fuel vapors	Employee training			Administrative	Resp. Perso	Leg. 156/17		Comment 1
	*	Employee health monitoring		13/8/2020	Administrative				Comment 2
		Closed system well maintained			Technical	Resp. Perso	Leg. 555/18		
		Equipment checking progra						Equip-Check.xls	
Dangerous objects and	Outstanding parts of structures	/ Marking of hazardous parts							
surfaces (sharp, rough, etc.)	Sharp equipment	Safeguards							Comment 4
	Uncovered corners	Use of appropriate safety gl							Comment 5
	*								
Extreme weather conditions	Extreme cold	Employee training				Resp. Perso			
	Strong winds	Use of appropriate water pr				Resp. Perso			
	Working at height	Use of water proof safety bo							
		Stop working policy	\checkmark						
		Use of appropriate jacket							



Risk Assessment per position

For each position, specification of:

- Initial risk level
- Final (objective) risk level

based on the selected methodology (2 or 3 parameters)

	Position			Initial	Final				
		S	L	Risk	\mathbf{S}	L	Risk		
	Quality and Safety Inspectors	2	1	1 - Minimal	2	1	1 - Minimal		
	Control Room Operators	3	1	2 - Low	2	1	1 - Minimal		
•	Electricians	4	3	4 - High	2	2	2 - Low		



Reporting

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- Selection of Full report or RA table only
- Reports include hazards, hazard measures, proposed measures and assessments
 - User selection of visible information

	TST AVIATION FUEL SERVICES OCCUPATIONAL RISK ASSESSMENT											
Rev. No.	: 0 F	Rev. Date	: 1/3/2019 1	2:00:0	0 пµ		Next Rev. Date	:				
System	: Tank Farm	SubSystem	System : Operations and Quality Control			ol Section	: Hydrant & Valve Vaults (airport ramp)			S		
Prepared By	: Safety Practitioner	Approved By	: H&S Mana	iger			Section Responsibility		erations 8 pervisor	Qual	lity C	ontrol
Task	: Fuel pit inspection and cleaning											
No of Employees	: 7	Shift	: Morning an	nd eve	ning		Task General Risk	: 4-	High			
Hazard	Implemented Measures	Position		Sev.	Lik	Risk	Proposed Measures	Resp.	Due Date	Sev.	Lik.	Res. Risk
Airborne chemical		Control Room	Operators	3	1	3	<u>Administrative</u>			2	1	2
substances	Equipment checking program in place	Electricians		4	3	12	Employee health monitoring (Comment 2)		13/08/2020	2	2	4
Hazardous Factor	Technical	Quality and Sa	fety Inspectors	2	1	2	Employee training (Comment 1 /	Resp.		2	1	2
Fuel vapors	Closed system well maintained (Leg: Leg. 555/18)						Leg: Lég. 156/17)	Person 1				
Dangerous objects and surfaces (sharp, rough, etc.)	Marking of hazardous parts of equipment	Quality and Sa	fety Inspectors	2	2	4	Safeguards (Comment 4)			2	2	4
Hazardous Factor	Use of appropriate safety gloves (Comment 5)											
Outstanding parts of structures/equipment												



RA Monitoring

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- Monitor all aspects of Risk Assessment information
- · User selected criteria, grouping and visible columns
- Reports export in Word, Excel or PDF format

System All	SubSystem		Section	~		
RA Revision	Hazardous Factors	Pending Mea	isures	Assessment		
System SubSystem	Section				a Col	umns 🖃 重
Task 🔺 Re	vision No. Revision Date	Next Revision	Shift	Employees	Prepared By	Approved by
Tank Farm (23 Items)						^
Operations and Quality	Control (10 Items)					
Hydrant & Valve Vaul	lts (airport ramp) (3 ltems)					
Fuel pit inspectio 0	1/3/2019		Morning and eve	7	Safety Practitioner	H&S Mana
LPD-HPV tasks 0	1/3/2019		Morning and eve	7	Safety Practitioner	H&S Mana
Valve vaults insp 0	1/3/2019		Morning and eve	7	Safety Practitioner	H&S Mana
Tank Farm-Pump Stat	tion-Receiving Station (6 Items)					
Facility operation 0	1/3/2019		Shift	12	Safety Practitioner	H&S Mana
Fuel quality checks 0	1/3/2019		Shift	7	Safety Practitioner	H&S Mana
Fuel truck loading 0	1/3/2019		Morning and eve	7	Safety Practitioner	H&S Mana
Fuel truck unloadi 0	1/3/2019		Morning and eve	7	Safety Practitioner	H&S Mana Y
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Full multiple language support

- RAM is preconfigured for use in four languages: English, Greek, Albanian and Romanian
- Users are free to configure any number of languages in the application and translate all labels and messages to the new languages
 - All risk assessment information entered in one language can be easily translated by the user to any other language and produce the same reports in different languages

Greek ~	Insert Language Hide Language	
Search		Language Abbreviation RUS (3 Letters)
Label (English)	Label (Greek)	
[LANGUAGES]		Language Name Russian
English	Αγγλικά	
Greek	Ελληνικά	Flag
Romanian	Ρουμάνικα	
Albanian	Αλβανικά	
[LABELS]		Labels File
Open	Άνοιγμα	
Open File	Άνοιγμα Αρχείου	
Close	Κλείσιμο	
Close File	Κλείσιμο Αρχείου	
New	Νέο	
New File	Νέο Αρχείο	
Company	Εταιρεία	
Company Data	Στοιχεία Εταιρείας	↓



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Additional capabilities

Revisions backup

Every revision of a Risk Assessment is retained in the database and can be accessed through the RA history

Overdue actions notification

Users are notified for revisions and measures that should have been processed

Risk Assessment duplication

RAs can be copied from one section to another

Organization structure duplication

Any branch of the hierarchical structure can be copied to another branch in the same file

Customization of application labels and messages

All labels and messages in any language can be easily modified by the user



Thank you for your interest!