

THE SAFETY CULTURE EVENT

Effective Construction Safety Management Software aided

Bucharest, June 21 2018
D. Eleftheropoulos, MFG

4th BBSPA Oil and Gas | WHY SAFETY - B | Oil and gas accident | communicating v | EI2YEUj.png | slide-0.jpg

← → ↻ 🏠 🔒 <https://www.bing.com/search?q=WHY+SAFETY&form=EDGSPH&mkt=en-us&httpsmsn=1&refig=3caea08c67d54d3ea21fd4278c92b07c> ☆

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Why safety?
Quick Answer: Workplace safety is important because it helps prevent deaths, injuries, financial losses, property damage, increases worker productivity, enhances product or service quality and promotes good public relations.

Why is workplace safety so important? | Reference.com
www.reference.com/showthread.php?p=103046

Reference rule list

- Why is employee safety important?
- Why safety programs fail?
- What does safety mean to me?
- Why is workplace safety so important?

Why Workplace Safety is Important | LoveToKnow
Why workplace safety is important
Why Safety is Important in the Workplace
Companies that employ workers have an interest in keeping their workers safe...
The importance of safety - WorkSafeNT
The importance of safety - WorkSafeNT
Why Safety is Important
SAFETY MATTERS TO ALL OF US
Why Safety Culture is More Important than Productivity
Why Safety is Important | KnowWhy.com
10 Reasons Why Workplace Safety is Important
Why is Safety Important | Reference.com
Health & Safety System #1 EHS Management Software System
OSHA Education Center | Official OSHA Education Center

Related searches for WHY SAFETY

- why safety is important
- why safety is important
- why safety is important
- why safety is important

Why Safety

Windows taskbar with icons for Start, Search, File Explorer, Microsoft Edge, Word, PowerPoint, Outlook, OneDrive, Adobe Reader, and Skype. System tray shows date and time: 09:13 23/05/18.

The Value of Safety

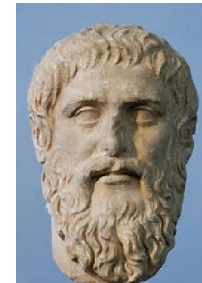
Or

Safety is a Value

Common sense, 2500 years now

Protagoras from Abdera, the pre-Socratic philosopher (stochastic) introducing his work quoted: “Man is the measure of all things, of things which are that they are and of things which are not that they are not”.

So in our case the VALUE of safety depends on the way the man, the societies measure it and can differ and indeed differs from society to society, sector to sector, organisation to organisation.



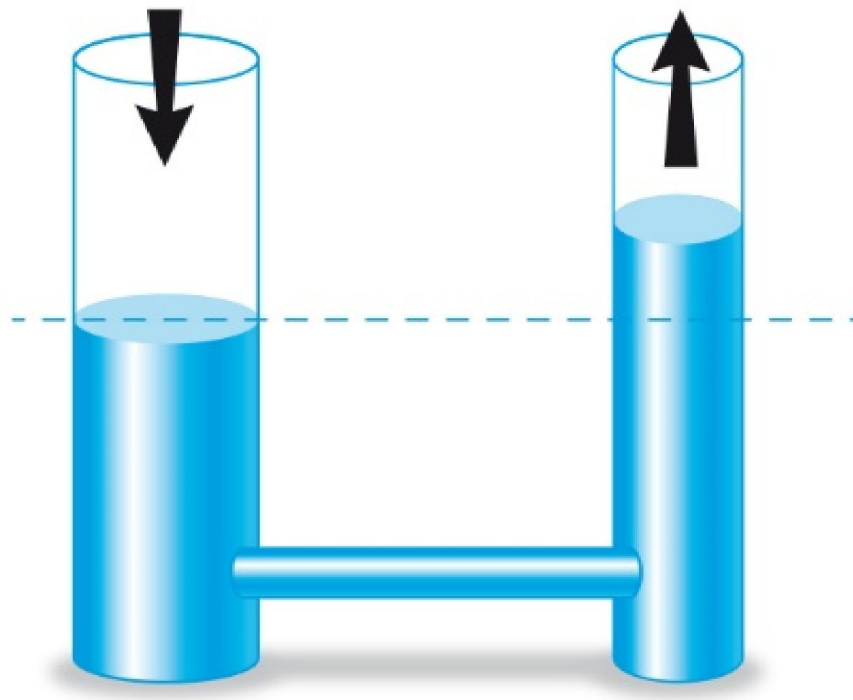
Abdera 490 – 420 BC

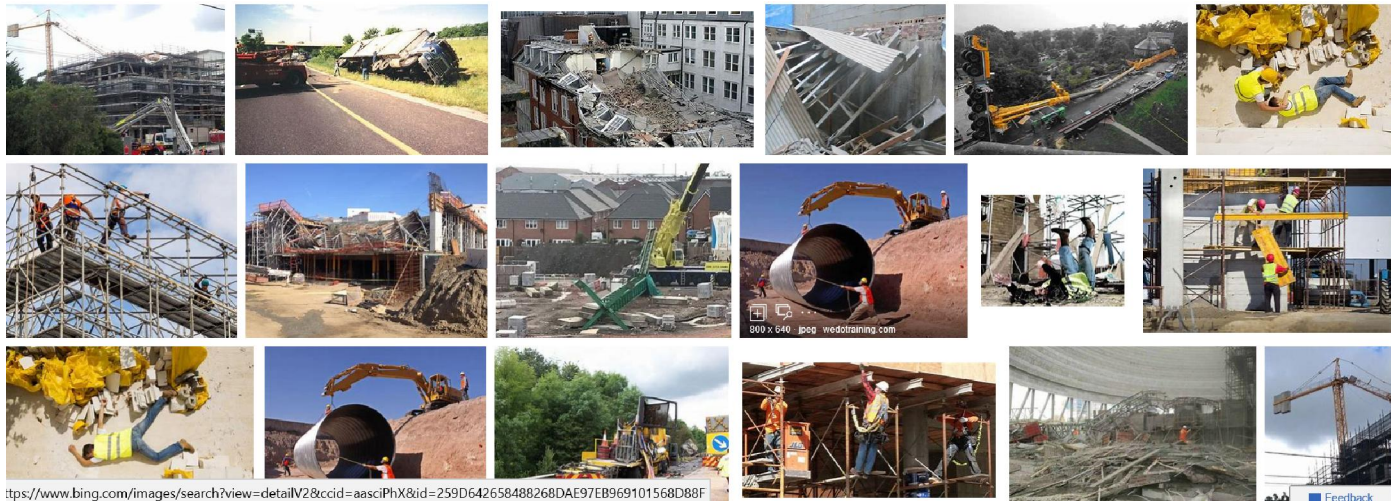
SAFETY CRITERIA

- **Moral**
- **Legal**
- **Economical**

Last decade Organisations focus on
Sustainability

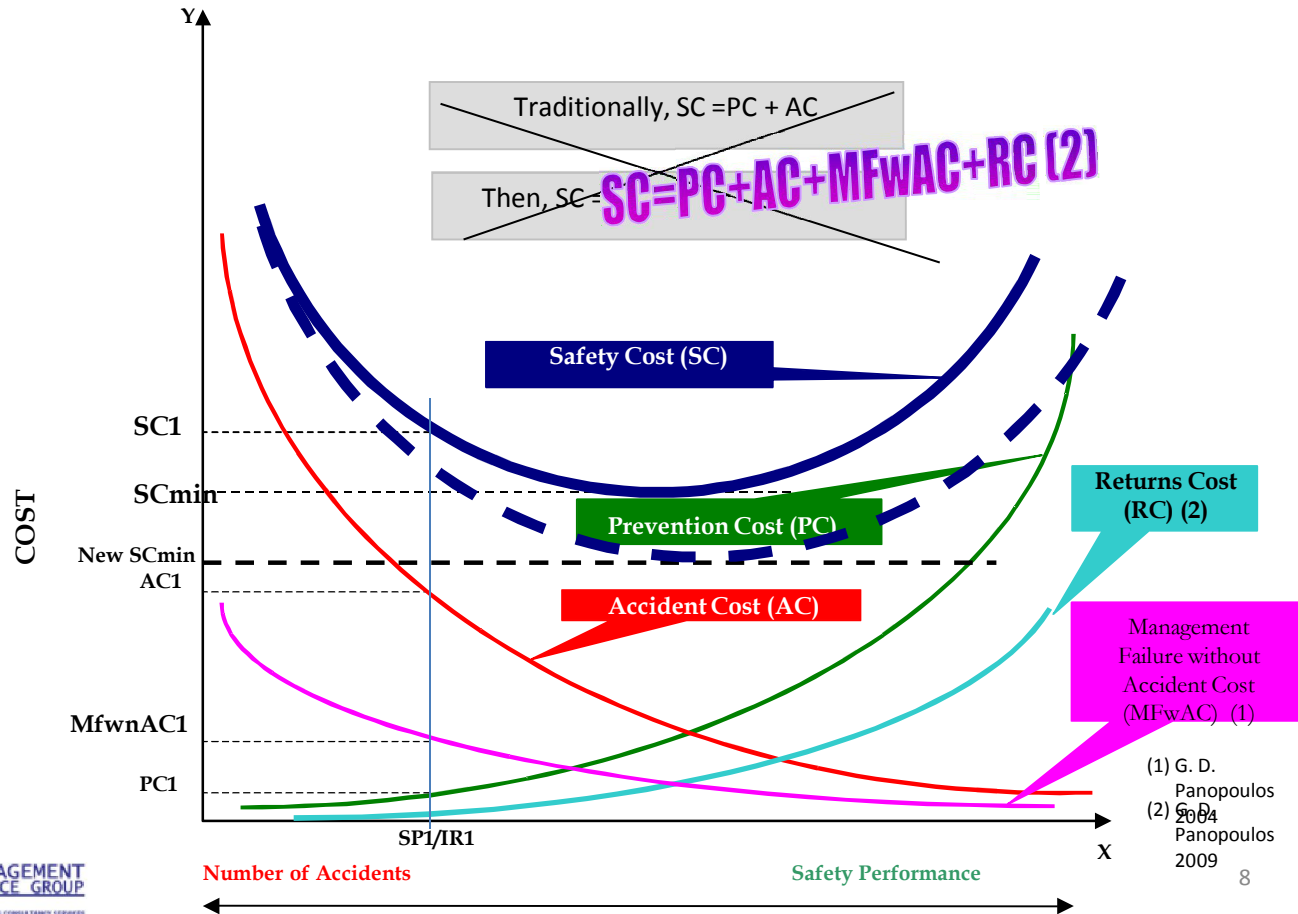
COMMUNICATING VESSELS PRINCIPLE





<https://www.bing.com/images/search?view=detailV2&ccid=aasciPhX&id=259D642658488268DAE97EB969101568D88F>

ECONOMICS OF SAFETY



CONTRACTORS POLICY CORNERSTONES

There are four cornerstones in managing contractors. The Owner has to demonstrate clearly that he (the Owner):

1. Has in place a clear Safety Policy
2. Has in place contract specific tender H&S requirements including contractor's minimum H&S requirements and the project/scope specific effective HSP/SMS
3. Has in place a competent and committed organisation duly authorised and possessing an arsenal to manage the Project's Safety and battle risk generation from day one.
4. Regardless initial delays and costs, Owner applies the H&S procedures from day one, including Contractor's evaluation.

Dr. Georgios D. Panopoulos (2005)

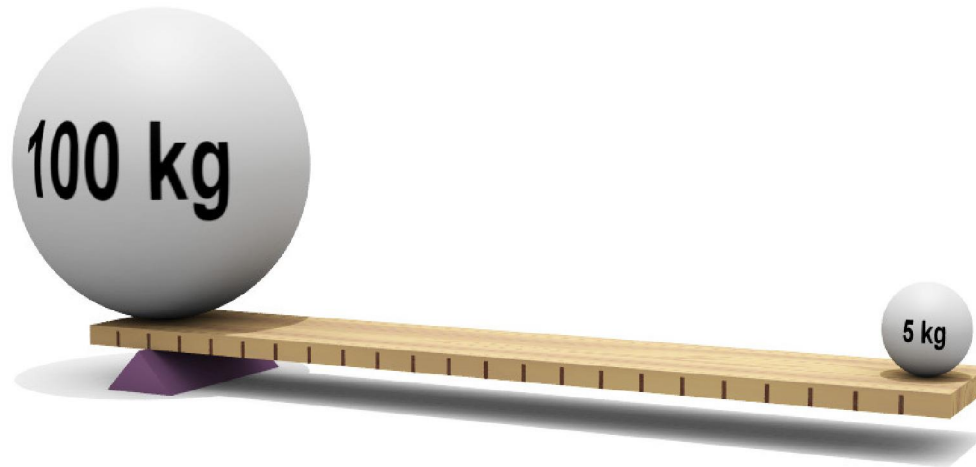


SAFETY ENERGY

«Δός μοι πά στῶ καί τάν γῆν κινήσω»

“Give me place to stand and I will move the earth”

Archimedes 3rd century bc



Key components – key Issues

Safe pass

Equipment safe ss

MSDS – material safe pass

Site Master Plan

Safe Method Statement

Meetings

Training

Inspections

Corrective actions track register

Statistics – metrics - KPIs

Project Health and Safety Management System

1. Practicable
2. Simple
3. Comprehensive
4. Design for purpose – specific
5. No gaps - No overlaps
6. Effective
7. Economic

Aids to Improve Performance

1. Safety audits
2. SIR
3. SOR
4. Monthly Report
5. Risk Assessment

Key Features

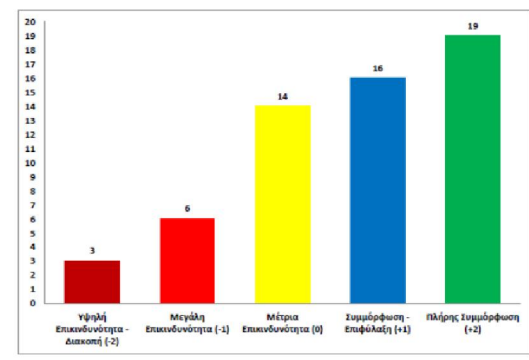
- Multilanguage
- Easy to customize
- Build In Databases
- Easy Data Manipulation
- Clear Structure
- Real Time Results
- Multi User Access
- User Action Log

Safety Audits

- Use of +2/-2 method for the rating of the performance,
- Workplace and activities Customization,
- Pending actions Monitoring,
- Comprehensive Graphical output.

Section	Ομάδα/Εργασία	Παράρτημα	Κριτήριο	Βαθμολογία	Σημειώσεις	Παρατηρήσεις	Α/Α
Κατασκευή	Υποδομή	Α	Εξοπλισμός ασφαλείας εργαζομένων	+2	Οι εργαζόμενοι διαθέτουν τον κατάλληλο εξοπλισμό ασφαλείας.		0
			Καθαριότητα χώρων εργασίας	+2	Οι χώροι εργασίας είναι καθαροί και ελεύθεροι από εμπόδια.		0
			Προστασία από πτώση	+2	Οι εργαζόμενοι χρησιμοποιούν σωστά τα μέσα προστασίας από πτώση.		0
			Προστασία από ηλεκτροπληξία	+2	Οι εργαζόμενοι χρησιμοποιούν σωστά τα μέσα προστασίας από ηλεκτροπληξία.		0
Προϊόντα	Υποδομή	Α	Ασφάλεια προϊόντων	+2	Τα προϊόντα είναι ασφαλή και συμμορφωμένα με τους κανονισμούς.		0
			Προστασία από πυρκαγιά	+2	Οι χώροι εργασίας διαθέτουν κατάλληλα μέσα προστασίας από πυρκαγιά.		0
			Προστασία από ακραία καιρικά φαινόμενα	+2	Οι χώροι εργασίας διαθέτουν κατάλληλα μέσα προστασίας από ακραία καιρικά φαινόμενα.		0
			Προστασία από σεισμό	+2	Οι χώροι εργασίας διαθέτουν κατάλληλα μέσα προστασίας από σεισμό.		0

Σύνολο Επιθεώρησης / Audit Summary Results



Site Inspection Report

- Reporting Frequency Customization,
- Pending actions Monitoring,
- Actionee Allocation for each Finding,
- Real Time Statistics,
- Findings Photo Attachment

ID	Category	Description	Status	Priority
0170010	SAFETY	General industrial safety: intervention, completion and procedure of accident...	Completed	Low
0170040	HOUSEKEEPING	In the ground (Outside Ground) Decking Material Storage: housekeeping...	Completed	Medium
0170040	SITE EQUIPMENT	Handed and related equipment used in a well-structured and organized manner...	Completed	Low
0170040	ENVIRONMENT	Use of water (See immediately during maintenance activities with treated water...	Completed	High
0170040	ENVIRONMENT	Area around the chimney: debris - cleaning and regular maintenance...	Completed	High
0170040	WATER & AIR QUALITY	Setting of regular reports from laboratory installation at Station Downwind...	Completed	Medium
0170040	WASTE MANAGEMENT	Waste disposal: use of containers for waste disposal: regular operations...	Completed	High
0170040	WORK AT HEIGHTS	Use of PPE: Safety harness, safety helmet, safety boots, safety shoes, safety...	Completed	High

ID	Category	Finding	Actionee	Status	Priority
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0170040	SITE EQUIPMENT	Handed and related equipment used in a well-structured and organized manner...	SITE EQUIPMENT	Completed	Low
0170040	ENVIRONMENT	Use of water (See immediately during maintenance activities with treated water...	ENVIRONMENT	Completed	High
0170040	ENVIRONMENT	Area around the chimney: debris - cleaning and regular maintenance...	ENVIRONMENT	Completed	High
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0170040	WORK AT HEIGHTS	Use of PPE: Safety harness, safety helmet, safety boots, safety shoes, safety...	WORK AT HEIGHTS	Completed	High

Site Organization Registry

- Customized for worksite requirements,
- Fast data monitoring, grouping, sorting & exporting,
- Real time inspections aiding tool,
- Real time statistics.

Metrics		Training Modules																		
Month	Total	Construction Management	OSHA	OSHA 10	OSHA 30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30
November-17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December-17	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January-18	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February-18	240	0	41	0	40	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March-18	279	0	4	0	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April-18	19	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May-18	238	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June-18	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December-18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
January-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December-19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRAND TOTAL	1088	0	0	0	157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL 2017	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL 2018	816	0	0	0	157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL 2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

GRAND TOTAL	OSHA	OSHA 10	OSHA 30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30	OSHA 10/30
GRAND TOTAL	816	0	41	0	122	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL 2017	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL 2018	724	0	41	0	122	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL 2019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Site Equipment Logbook										Equipment										
Site No	Company	Equipment/Item	Registration No.	Inspection	Type	OS	OS	OS	OS	OS	OS	OS	OS	OS	OS	OS	OS	OS	OS	OS
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2																				
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Monthly Report

- High End information oriented,
- Fast and Comprehensive analysis,
- Straight forward structured development

ΕΡΓΟ : SES V. ΠΤΟΛΕΜΑΙΣ
 ΚΤΙ : ΔΕΠ Α.Ε.
 ΑΝΑΘΕΤΗ : ΤΕΡΜΑ Α.Ε.
 ΔΕΧΗ : ΠΤΟΛΕΜΑΙΑΣ

ΣΥΣΤΗΜΑ ΔΙΑΡΚΗΤΗΣ ΑΣΦΑΛΕΙΑΣ & ΥΓΕΙΑΣ
 ΕΙΑ TO COMPLEX

Δ. ΑΛΛΑ ΘΕΜΑΤΑ

1. Στατιστικό Ημερήσιο Αναφορά Έλεγχου / Daily Inspection Report

ΣΤΑΤΙΣΤΙΚΑ (των Μηνών έγιναν 20 έλεγχοι και καταγράφηκαν 200 θέματα)

ΑΡΧΟΜΟΣ ΘΕΜΑΤΩΝ		ΕΝΔΕΙΞΗ	
Καταγεγραμμένα θέματα	770	SPI 1 (Ποσοστό Κρίσιμων)	47.53 %
Κλασμένα θέματα	547	SPI 2 (Ποσοστό Κλασμένων)	71.04 %
Ελεγχθέν θέματα	140	SPI 3 (Ποσοστό Ελεγχμένων)	18.18 %
Παραλειπόμενα θέματα	83	SPI 4 (Ποσοστό Παραλειπόμενων)	10.78 %
Κρίσιμα θέματα	366		

2. Στατιστικό Έργου

Από την αρχή του 2018 στις τριμηνίες αναφοράς έλεγχου έγιναν καταγραφές 770 θέματα (σε 77 αναφορές). Στο χρονοδιάγραμμα 1 φαίνεται η εξέλιξη του πλάτους των καταγραφών αφορούνται στο τέλος κάθε μήνα.

Από την αρχή του χρόνου παρουσιάστη με ενθαρρυντικά ποσοστά μείωσης των κριτικών θεμάτων τα οποία αναγνωρίζονται κατά τους περιοδικούς ελέγχους (χρόνομα 2), η τάση αυτή θα αποτυπωηθεί στις επόμενες αναφορές με χρήση του κληροπίου μέσω έδρου 3 μηνών.

Το χρονοδιάγραμμα 3 παρουσιάζει την τάση σε μία ποσοστιαία απόδοση ασφαλείας. Πρόκειται για την απόδοση σε εκατοστά τα οποία αναγνωρίζονται καταγράφονται στις αναφορές τριμηνίων ελέγχου. Μετά από μία ετήσια ύψωση είναι πλέον βελτιωμένος παρουσιάζεται όμως ένας αντίστροφο ποσοστό της τάσης του 30%.



ΣΕΛ. ΕΠΙΧΡΑΤΟΥ : 9/11-081-056
 ΑΝΑΦΟΡΑ : 0
 ΗΜΕΡΟΜΗΝΙΑ : 14/06/2018

Σελίδα 12 από 15
 SYMBOLIFE MANAGEMENT FORCE

Conclusion

Software aided PSM, characteristics and objectives

1. Practicability
2. Simplicity – friendly to user
3. Built for purpose Focus (Design for purpose)
4. No overlaps
5. Completeness
6. Effectiveness
7. Productivity
8. Support decision making
9. Culture change
10. Support continuous improvement

*Safety
is an element of civilisation*

*Η ασφάλεια
είναι πολιτισμός*

Management Force Group