

CULTURE COUNTS

15 minutes

Dr. Georgios D. Panopoulos, MFG
Bucharest 21 June 2018

1. Today we know that



*Safety is not first. Safety is an integrated
element of the business.
Our main scope and objective
is our Project (plant), our business*

THE SAFETY BASIS

Traditionally/Historically

- Moral
- Economic
- Legal

and sustainability



HEALTH & SAFETY POLICY

Company recognises the social and economic impact of incidents and as it operates under the TITAN Group Vision & Policy for Occupational Health & Safety, is initiating this Health & Safety Policy aiming to provide safe workplaces and facilities for its Employees, Contractors, Suppliers, Customers as well as any other that may be affected by its business.

To fulfil this target, **Company** developed and implements a Health & Safety Management System and is committed to make all reasonably practicable effort to ensure that:

National legal requirements and provisions for Health and Safety, as well as corporate provisions of TITAN Group or other applicable requirements are met as necessary;

Responsibilities are clearly allocated to all Employees, Contractors and Suppliers;

Employees, Contractors and Suppliers receive suitable Health and Safety training and develop high appreciation of Health & Safety principles as necessary;

A continuous improvement of the safety culture of **Company** and its Contractors and Suppliers is worked out.

Company recognises Health and Safety as a cornerstone in its CSR policy;

Processes are in place for continuous identification and control of workplace hazards and prevention of incidents and diseases;

The whole organisational structure of **Company** from Senior Management to the last employee is involved as a whole in the implementation of the Health and Safety Management System;

Clear, measurable, realistic and well-timed Health and Safety targets are set;

The knowledge, experience and support of **Company** are continuously available to society at large in order to improve the National Health and Safety standards.

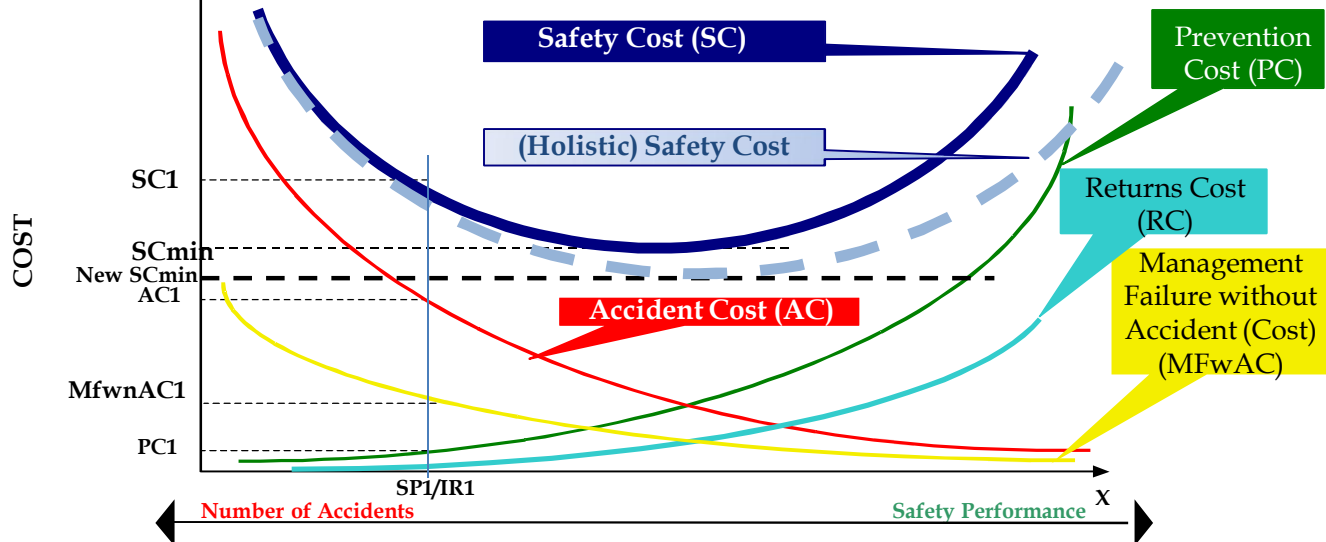
The Health and Safety Management System including this current Policy are regularly reviewed and revised as necessary aiming for continuous improvement of Health and Safety; and

All Employees, Contractors and Suppliers are expected to follow safe work practices, comply with health and safety rules and regulations, work in a manner that upholds the high-level health and safety standards endorsed and achieved by **Company**, and contribute at their best in the implementation of the current Health & Safety Policy.

.....
Managing Director

THE ECONOMICS (HOLISTIC COST) OF SAFETY

$$SC = PC + AC + MFwAC - RC$$



2. Today we heard

- 2.1 Creating a safety culture for a sustainable future in Petrobrasi Refinery (OMV)*
- 2.2 Safety Culture: What is missing? (EBRD)*
- 2.3 Mission Zero: Because We Care – PMG's Corporate program to build Safety culture (PMG)*
- 2.4 Software aided PSM supports sustainability via safety culture (MFG)*

3. Do we confirm that still a long way to go before demonstrate a good safety culture in many business sectors and areas of the globe?

Cultural issue or other?

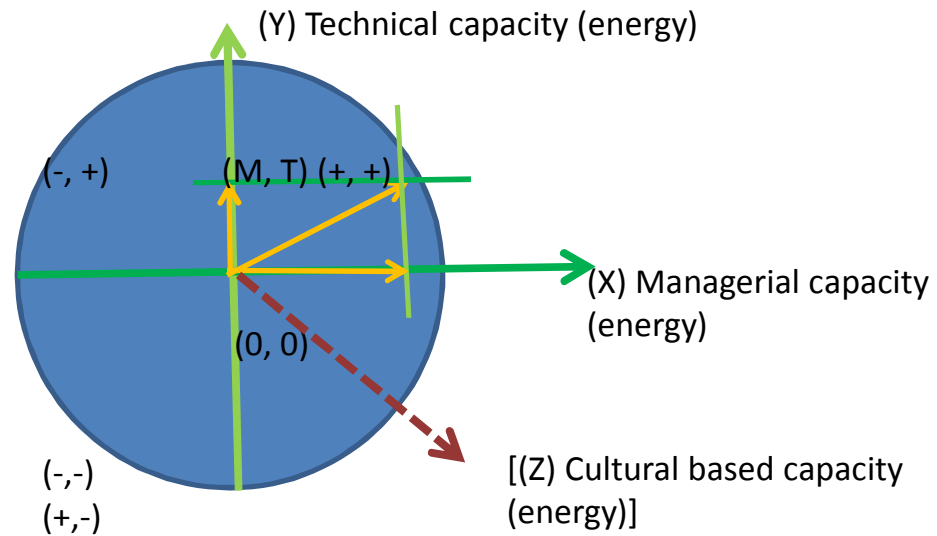
Why it appears so difficult to get a safe scaffold?
Not knowing, incapable to pay, not used to, not willing to pay underestimating benefits/costly.

- www.google.com
- Project Risk Management.
- The tower crane example.

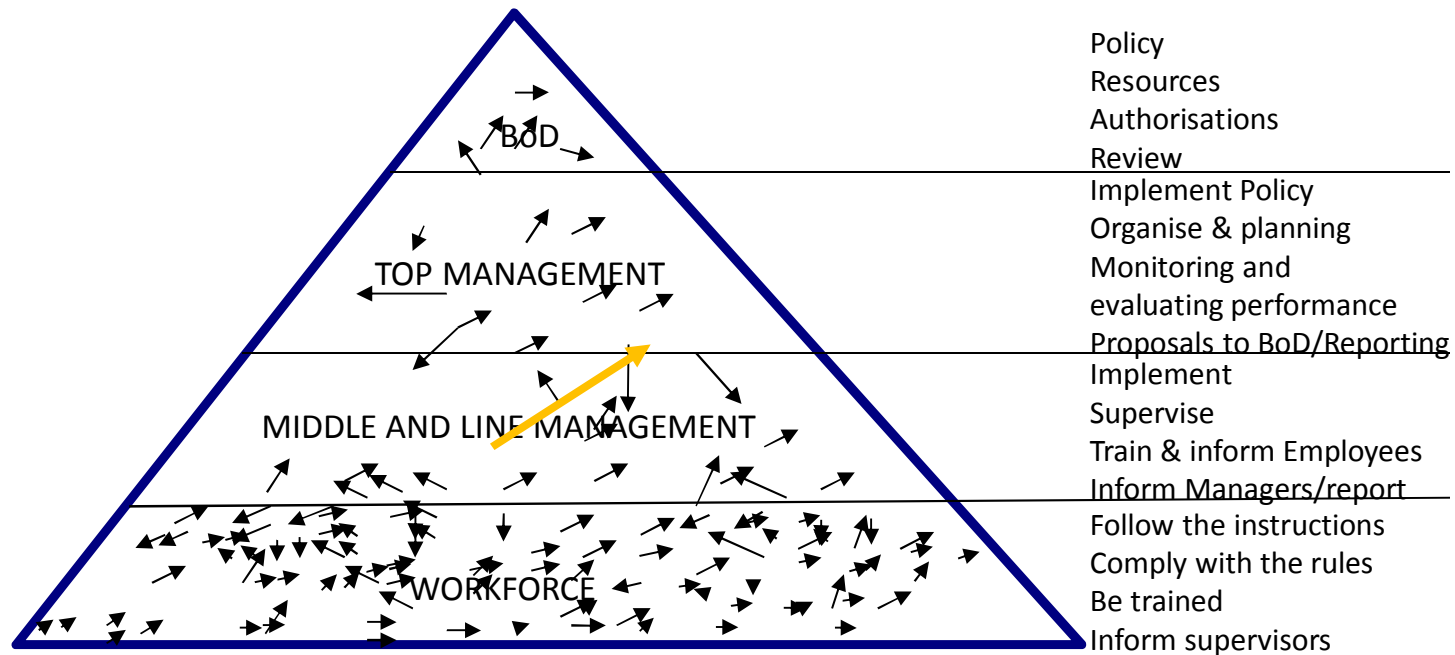


4. Analysing the facts, looking for the path or creating a path

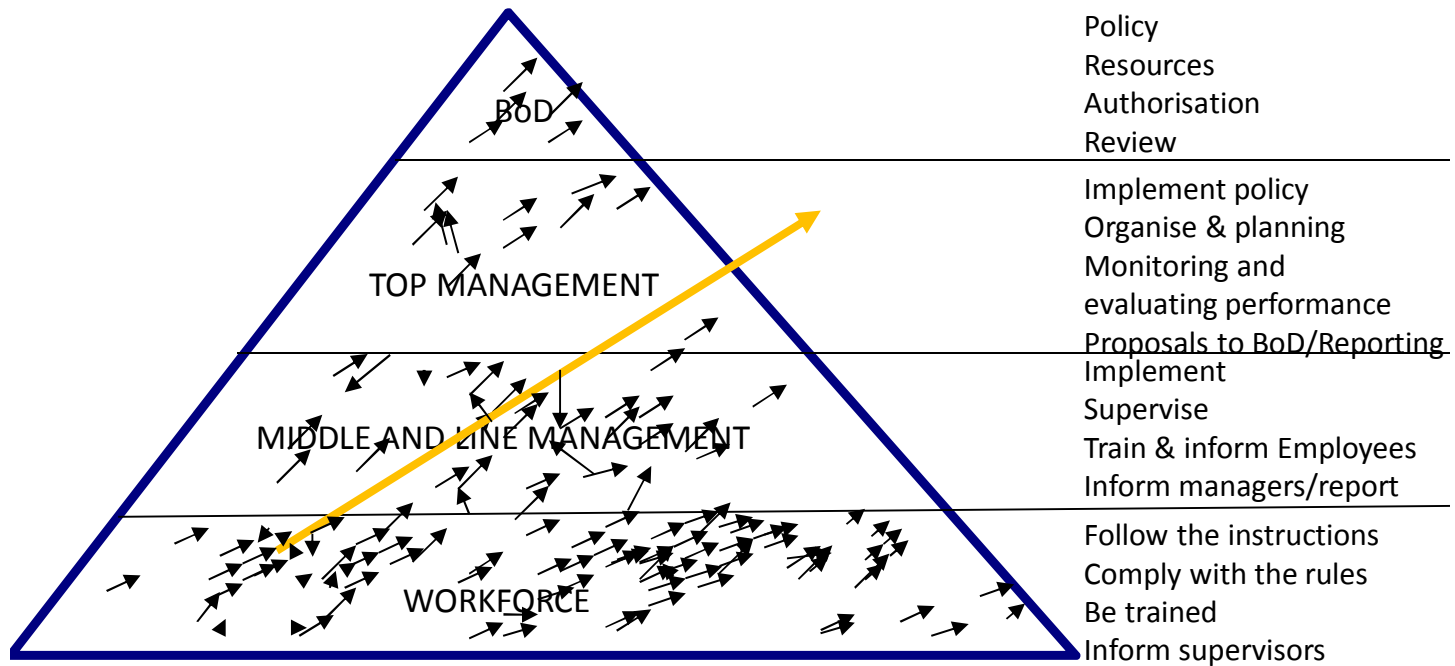
SAFETY PERFORMANCE (ENERGY)



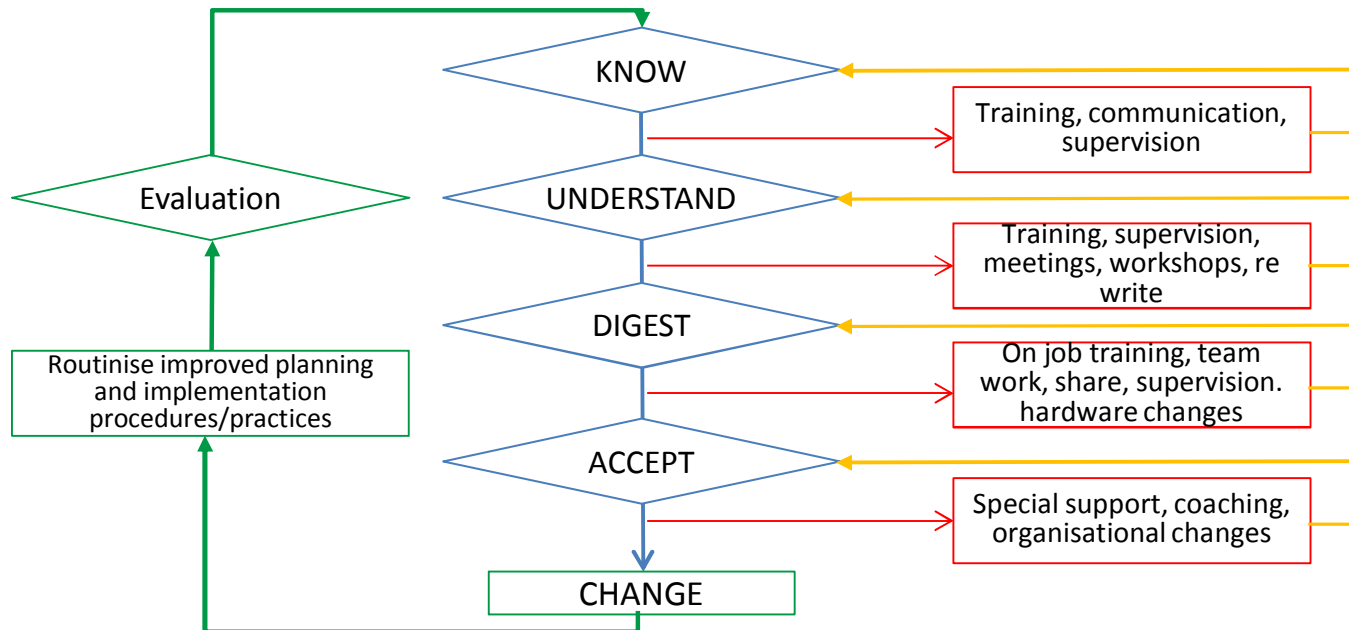
SAFETY PERFORMANCE



OPTIMISING SAFETY PERFORMANCE



TEAM WORK & COACHING FOR CHANGING IN FOUR STEPS



THE MAIN OBJECTIVE

People to accept to **change** their routine striving for a continuous improvement of their **effectiveness** in fulfilling **their safety roles and responsibilities**.

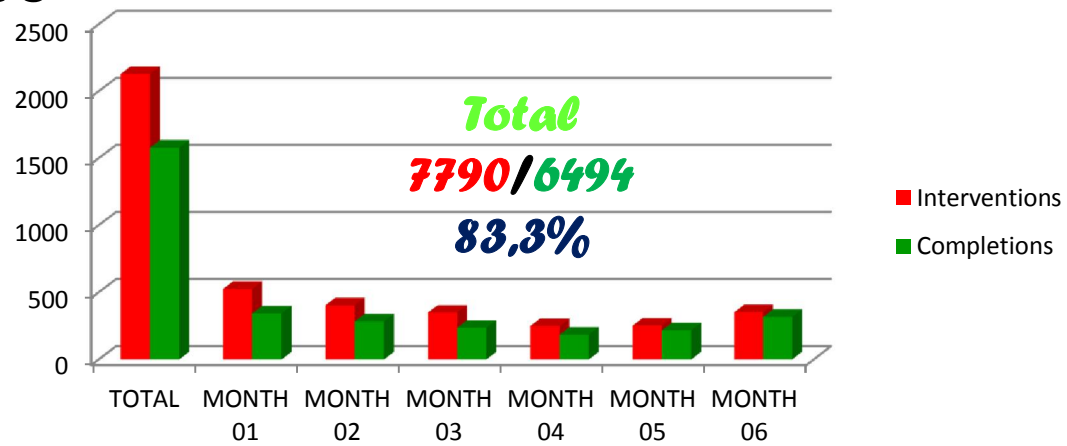
Benefits from the change:

- For the individuals;
- Company; and
- Society at large

Need to battle though, also the fear to change

Example

Cycle 3



*Safety
is an element of civilisation*

*Siguranta inseamna
cultura*

Management Force Group

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

OSHA Training Video Demo
Learn More About OSHA Training Webinars
OSHA Regulations Booklet
OSHA Books & Manuals, Training
For 1000+ OSHA Compliance Requirements

Get Continuing Education Credit
OSHA 10 Compliance Courses
Discounts For Bulk Orders
We Offer Discounts For Multiple
Course Purchases. Get More Today.

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/show-the-workplace-safety-essence-494482826.html

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 workforce safe...
The Importance of Safety - WorkSafeVT
SAFETY BECOMES A QUALITY
Why Safety is Important
Why Safety Culture is More Important than Productivity
Why is Safety Important? | KnowWhy.com
10 Reasons Why Workplace Safety is Important
Why is Safety Important? | Reference.com
Health & Safety System #1 | EHS Management Software System
Related searches for WHY SAFETY

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 23/05/18 and time 09:13.

The Value of Safety

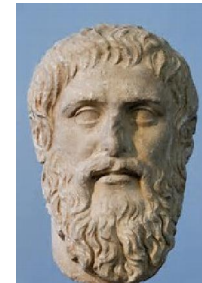
Or

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.



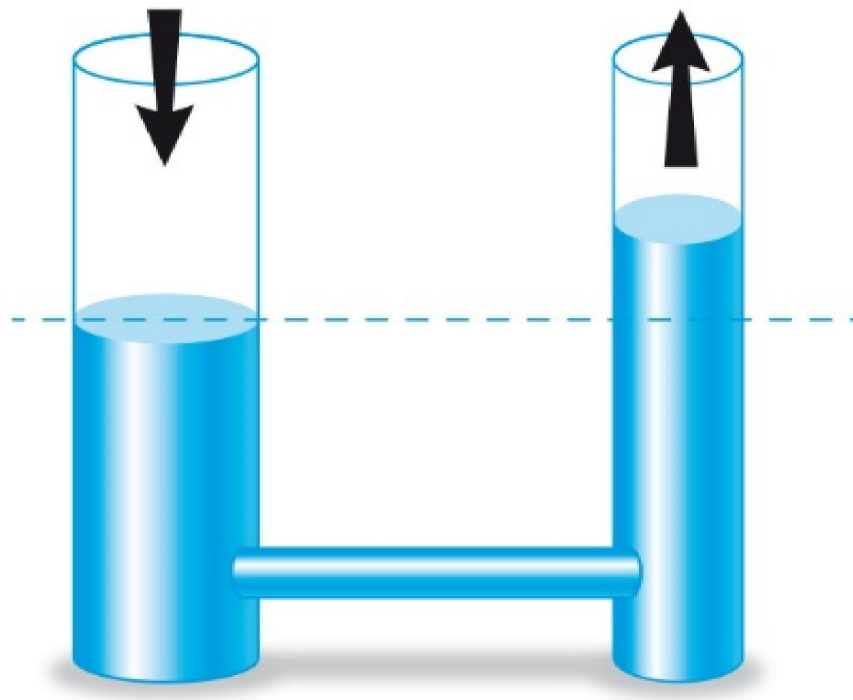
Abdera 490 – 420 BC

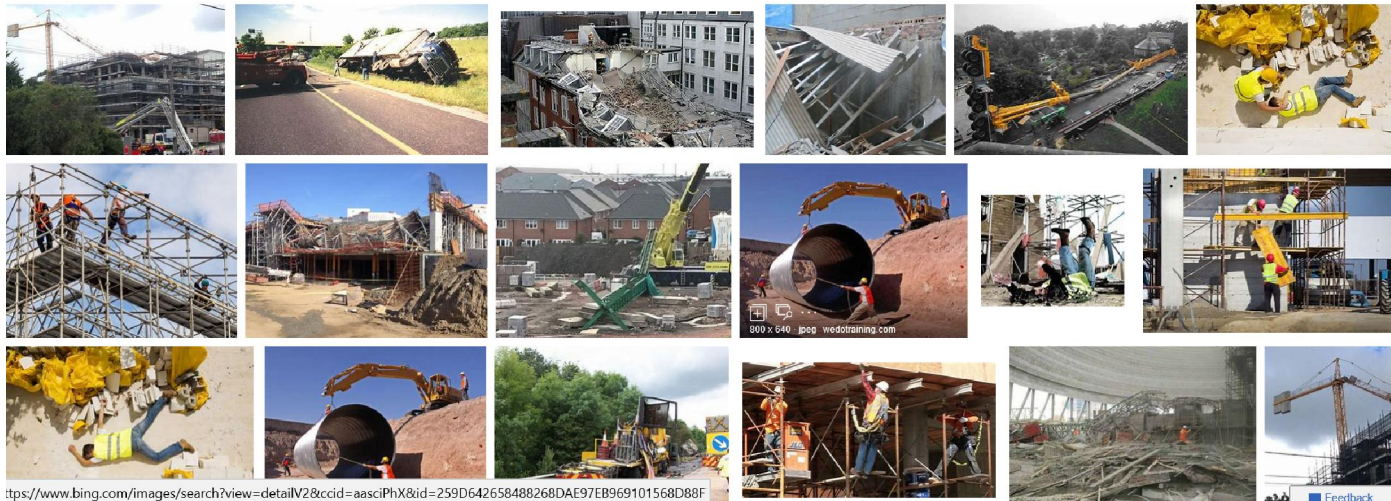
SAFETY CRITERIA

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

Last decade Organisations focus on
Sustainability

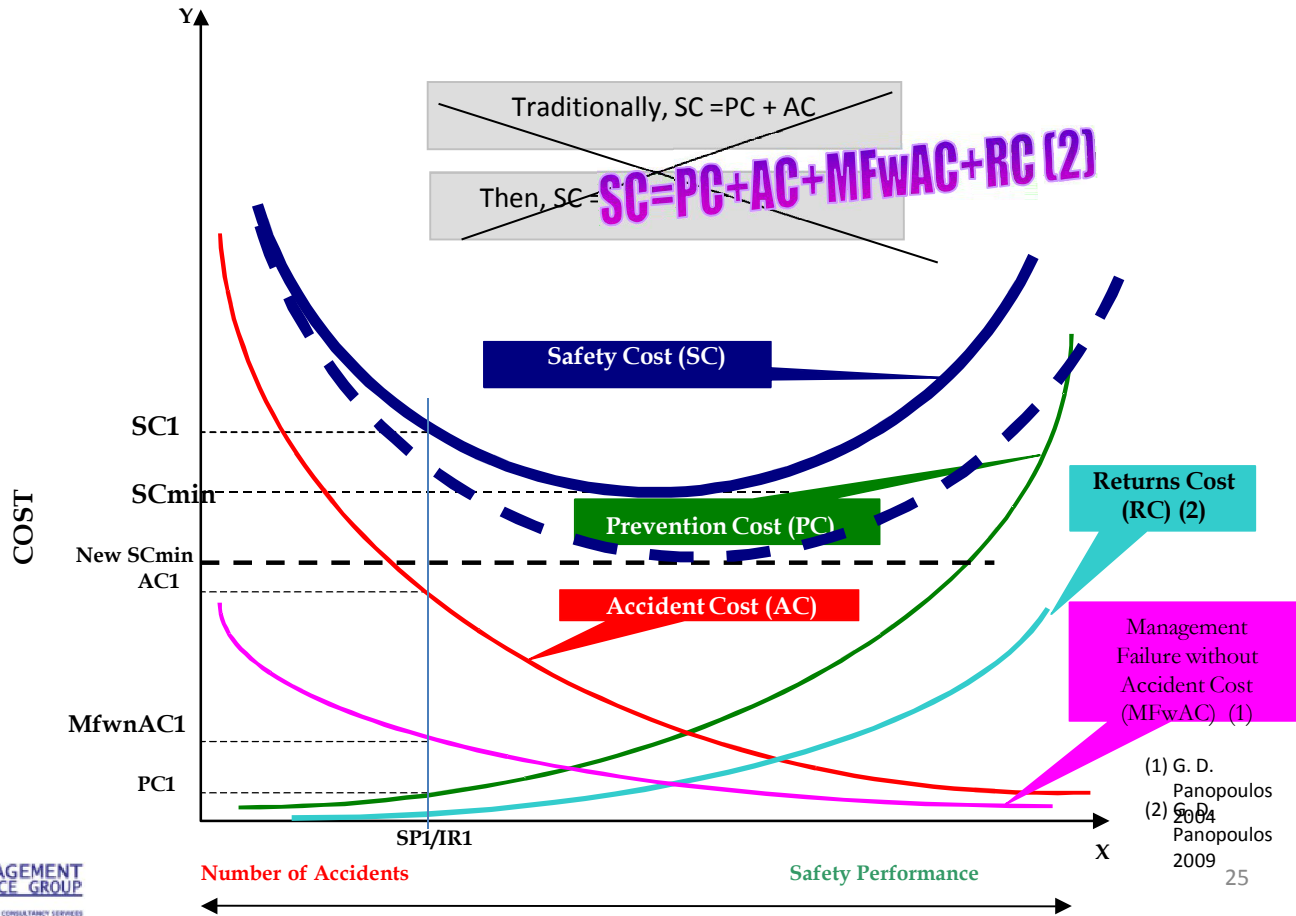
COMMUNICATING VESSELS PRINCIPLE





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

ECONOMICS OF SAFETY



Project Health and Safety Management System

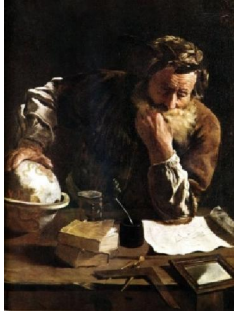
1. Practicable
2. Simple
3. Comprehensive
4. Design for purpose – specific
5. No gaps - No overlaps
6. Effective
7. Economic

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)

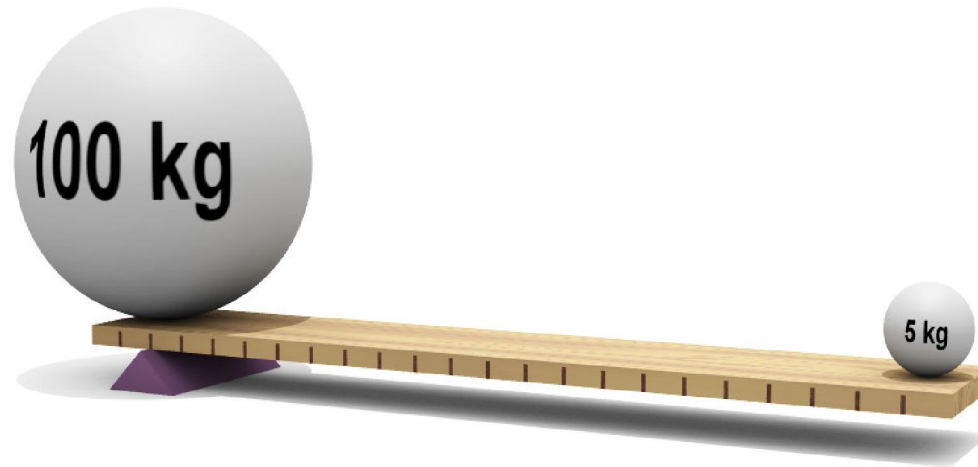


SAFETY ENERGY

«Δός μοι πά στῶ καί τάν γᾶν 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

Aids to Improve Performance

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

Key Features

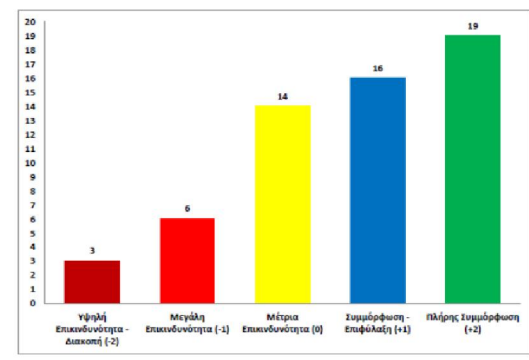
- Multilanguage
- Easy to customize
- Build In Databases
- Easy Data Manipulation
- Clear Structure
- Real Time Results
- Multi User Access
- User Action Log

Safety Audits

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

Section	Οδύνη/Ερώτηση	Παράρτημα	Παράρτημα	Γαία	Κλίμα	Παρασκευασίες	Επισκευές	Παρασκευές	ΑΠ
Κατασκευή	Υπάρχει η δυνατότητα να πραγματοποιηθεί εργασία σε ασφαλές περιβάλλον?	Εργασίες που απαιτούν την χρήση εργαλείων που είναι κατάλληλα για την εργασία	Ναι, είναι διαθέσιμα εργαλεία που είναι κατάλληλα για την εργασία	Ναι, είναι διαθέσιμα εργαλεία που είναι κατάλληλα για την εργασία	+2				0
		Εργασίες που απαιτούν την χρήση εργαλείων που είναι κατάλληλα για την εργασία	Όχι, δεν είναι διαθέσιμα εργαλεία που είναι κατάλληλα για την εργασία	Όχι, δεν είναι διαθέσιμα εργαλεία που είναι κατάλληλα για την εργασία	-2				0
		Εργασίες που απαιτούν την χρήση εργαλείων που είναι κατάλληλα για την εργασία	Μερικά εργαλεία είναι διαθέσιμα, αλλά δεν είναι κατάλληλα για την εργασία	Μερικά εργαλεία είναι διαθέσιμα, αλλά δεν είναι κατάλληλα για την εργασία	+1				0
Προστασία	Υπάρχει η δυνατότητα να πραγματοποιηθεί εργασία σε ασφαλές περιβάλλον?	Εργασίες που απαιτούν την χρήση εργαλείων που είναι κατάλληλα για την εργασία	Ναι, είναι διαθέσιμα εργαλεία που είναι κατάλληλα για την εργασία	Ναι, είναι διαθέσιμα εργαλεία που είναι κατάλληλα για την εργασία	+2				0
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Σύνολα 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	Priority	Status	Assignee
0170014	SAFETY	General industrial safety: Intervention, completion and procedure of accident analysis	LOW	Completed	TECHNICAL
0170042	HOUSEKEEPING	Presence of debris (plastic) in the area of the site	MEDIUM	Completed	TECHNICAL
0170043	SAFETY	Presence of debris (plastic) in the area of the site	LOW	Completed	TECHNICAL
0170044	SAFETY	Presence of debris (plastic) in the area of the site	LOW	Completed	TECHNICAL
0170045	SAFETY	Presence of debris (plastic) in the area of the site	LOW	Completed	TECHNICAL
0170046	SAFETY	Presence of debris (plastic) in the area of the site	LOW	Completed	TECHNICAL
0170047	SAFETY	Presence of debris (plastic) in the area of the site	LOW	Completed	TECHNICAL
0170048	SAFETY	Presence of debris (plastic) in the area of the site	LOW	Completed	TECHNICAL
0170049	SAFETY	Presence of debris (plastic) in the area of the site	LOW	Completed	TECHNICAL
0170050	SAFETY	Presence of debris (plastic) in the area of the site	LOW	Completed	TECHNICAL

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Site Organization Registry

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

Month	Total	Training Modules																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April-18	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May-18	238	0	0	0	0	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	0	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	0	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

Site Equipment Logbook										Equipment												
Site No	Company	Equipment Name	Registration No	Type	SW	SN	Serial No	Exp. Date	Location	Inspected	Inspected By	Inspected Date	Inspected Status	Inspected Date	Inspected Status	Inspected Date	Inspected Status	Inspected Date	Inspected Status	Inspected Date	Inspected Status	
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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.
 ΑΝΑΘΕΣΗ : ΤΕΡΜΑ Α.Ε.
 ΣΕΧΜ : ΠΤΟΛΕΜΑΙΑΣ

ΣΥΣΤΗΜΑ ΔΙΑΡΚΗΤΗΣ ΑΣΦΑΛΕΙΑΣ & ΥΓΕΙΑΣ
 ΕΙΑ TO COMPLEX

Δ. ΆΛΛΑ ΘΕΜΑΤΑ

1. Στατιστικό Ημερήσιο Αναφορά Έλεγχου / Daily Inspection Report

ΣΤΑΤΙΣΤΙΚΑ (των Μηνών έγιναν 20 έλεγχοι και καταγράφηκαν 200 θέματα)	
ΑΡΧΟΜΟΣ ΘΕΜΑΤΩΝ	ΕΝΔΕΙΞΗ
Καταγεγραμμένα θέματα	SPI 1 (Ποσοστό Κρίσιμων)
Κρίσιμα θέματα	SPI 2 (Ποσοστό Κρίσιμων)
Ελαφρά θέματα	SPI 3 (Ποσοστό Ελαφρών)
Παρατηρηθέν θέματα	SPI 4 (Ποσοστό Παρατηρηθέντων)
Κρίσιμα θέματα	

2. Στατιστικό Έργου

Από την αρχή του 2018 στις τριμηνίες αναφοράς έλεγχου έγιναν καταγράφη 770 θέματα (σε 77 αναφορές). Στο τρίμηνο 1 φέτος η ομάδα του πλάτους των καταγραφών αυξάνεται στο τέλος κάθε μήνα.

Από την αρχή του χρόνου παρουσιάζει μια ενθαρρυντική τάση μείωσης των κριτικών θεμάτων τα οποία αναγκάζονται κατά τους περσιότικους ελέγχους (πρόγραμμα 2), η τάση αυτή θα αποτυπωηθεί στις επόμενες αναφορές με χρήση του κρηπίου μέσω έδου 3 μηνών.

Το τρίμηνο 3 παρουσιάζει την τάση σε μία ποσοστιαία της απόδοσης ασφαλείας. Πρόκειται για την απόδοση σε κρηπίδα τα οποία αναγκάζονται καταγράφονται στις αναφορές τριμηνίων ελέγχου. Μετά από μία ελαφρή ύφεση έπεται τάση βελτιώσεως. Παρατηρείται όμως ένας ανεπαρκής ποσοστό της τάξης του 30%.



ΣΕΛ. ΕΠΙΧΕΙΡΗΣΙΑΚΟ : 011081-056
 ΑΝΑΦΟΡΑ : 0
 ΗΜΕΡΟΜΗΝΙΑ : 14/06/2018

Σελίδα 12 από 15
 SYMBOLIS MANAGEMENT FORCE

Risk Assessment

- Workplace and activities data recording,
- Risk assessment worksheet,
- Risk evaluation of each job position or any other exposed to risk,
- Pending actions monitoring,
- Revisions back up

The top screenshot displays a 'Risk Assessment Worksheet' with the following columns: Hazard, Risk Control Measures, Task Data, and Assessment. The Assessment column includes sub-columns for S, L, Risk, and RPN. The bottom screenshot shows a similar interface with a list of hazards and their corresponding risk control measures and task data.

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