



Tern Associates Ltd

Ternarius

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What is PM? ...Preventive Maintenance!

Wise Words:

'The time to repair the roof is when the sun is shining!'

John F Kennedy

SAFE MAINTENANCE CAMPAIGN

Maintenance is a process that affects every area of safety and health. Poor standards and a failure to keep working environments in good condition are major causes of accidents and occupational diseases.

During 2010-2011, HSE is helping promote safe and healthy workplaces by encouraging an integrated and structured approach to maintenance in partnership with the European Agency for Safety and Health at Work (EU-OSHA), the EEF and the TUC.

More information overleaf



Failure of plant and equipment creates the greatest threat in disrupting the daily performance of operations in any business. Having a preventive maintenance programme in place helps to minimise this threat!

Like all aspects of life, understanding the terminology is key, so what is Preventive Maintenance (PM) ?

PM is all actions performed to prevent failure or detect failures early. It can be divided into three areas;

- ▶ Core Maintenance
- ▶ Fixed Time Maintenance
- ▶ Condition Monitoring

Core Maintenance

Core maintenance is the process of preventing failures from occurring by implementing regular checks on lubrication levels and other operating parameters along with performing any statutory inspections on plant and equipment. It should also include a cleaning programme which is essential in preventing failures and prolonging life of equipment.

Fixed Time Maintenance

Fixed time maintenance is for equipment or components with a known life e.g. oil and filter changes, batteries and machinery and vehicles with time, distance or hours related service schedules etc.



Condition Monitoring

Condition monitoring of equipment can be broken down into two types of monitoring, objective and subjective.

Objective uses methods such as vibration analysis, ultrasonic analysis and also temperature, pressure, voltage and ampere readings.

Subjective is where inspections are carried out by looking, listening, feeling and the use of smell, and rely more on individuals senses, their knowledge, experience and competency.

In a nut shell, Core and Fixed Time Maintenance Prevent Failures, where as Condition Monitoring Detects Failure Early. By adopting these tried and tested maintenance techniques your business will benefit, and in this current climate where

**Performance Matters
Good Maintenance Pays!**

Need Help Tern 2 Us
Call 0871 223 9800 and ask for Ian



HEALTHY WORKPLACES
GOOD FOR YOU. GOOD FOR BUSINESS.

A European campaign on Safe Maintenance



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Securing a return on investment and improving profitability are key to your success. Organisations requiring enhanced and efficient performance are using Tern Associates to audit and review their equipment, people and systems. Objective advice, guidance and training are provided to secure effective improvements.

Rejuvenating client's operating systems to reflect best practical principles is right up Tern's street! Maximising on your investment, we aim to evolve and continuously develop your organisation to enable you to survive and prosper. Tern Associates offer a comprehensive and competitive service, to help, advise and guide today's businesses through the myriad of legislation associated with:

Health & Safety
Environment
Facilities Management
Metallurgy and Heat Treatment

Developing and implementing bespoke initiatives using our extensive knowledge and experience aids your legal compliance and improves your competitiveness, providing you with commercial advantage.

Interested, call Alan on 0871 223 9800 for an informal chat or

Complete the Safe Maintenance HealthCheck

How safe is your workplace?

Get your workforce to score you out of ten, by answer the following;

1. Do our staff always isolate machinery and equipment before doing maintenance?
2. Have all our maintenance staff got their own isolation padlocks and warning signs or boards?
3. Do we know if we have got asbestos in the building, and where it is?
4. Do we use this asbestos information when we plan building maintenance jobs?
5. Are we thinking about what access equipment is right for the job, or just using whatever we have to hand?
6. Are we thinking through proper lifting plans before lifting heavy loads?
7. Are any of us competent enough to take charge of non-standard lifting jobs?
8. Do we use 'permits to work' properly when we need them?
9. Do we have any confined spaces or working at height situations?
10. Do our managers and supervisors stop maintenance work if it's not being done safely?

Is your workplace good enough?

Need Help Tern 2 Us

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SAFE MAINTENANCE CAMPAIGN ...

Good management practice should ensure that:

- ▶ Maintenance is co-ordinated, scheduled and performed correctly as planned
- ▶ The equipment or workplace is left in a safe condition for continued operation.

DID YOU KNOW

25% to 30% of all manufacturing deaths in Britain arise from falls from height and failure to isolate machinery during maintenance.



Acknowledgements:
Information used within this newsletter has been sourced from Health & Safety Executive, EU OSHA and FSB.

The information provided in this newsletter is intended as a guide and should not be used as a substitute for professional advice.

September 2010