

## Maintenance Training Programs

- Maintenance Management:
  - Introduction.
  - Intermediate.
  - Advanced.
- CMMS
  - Getting the most from your CMMS.
  - Analysing CMMS Data.
- Maintenance Cost Control:
  - Cost control Systems.
  - Budget Management.
- RCM
  - RCM Basics.
  - RCM Implementation.
- Condition Monitoring:
  - Introduction to CM.
  - Practical CM.
  - Implementing CM.
  - Integrating CM into Maintenance.
- Maintenance Work Control:
  - Planning Fundamentals.
  - Maintenance Scheduling.
  - Shutdown Planning.
- Documentation:
  - Maintenance Document Systems.
  - Understanding Technical Drawings.
  - Technical Communications.
- Root Cause Analysis.
- Failure Analysis Workshop.
- Maintenance of Pressure Vessels.
- Maintenance of Package Boilers.
- Plant Operator Maintenance Skills.
- Basic Mechanical Skills.
- Basic electrical Skills.

All courses can be taken alone or as part of an integrated set of courses. This allows participant to select courses to meet their immediate needs as well as build upon earlier courses.

Certificates are awarded to those who successfully complete each course.

In-house courses can be tailored to suit individual sites.

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### Dr. Tony Healy

Over 30 years experience in maintenance and reliability from trade level to Engineering Manager and senior consultant.



Experience with large manufacturing companies having sites world wide. Experience in Transport, Mining, Pulp & Paper, Petro Chemical and other industry types.

Experienced consultant having worked in Australia, New Zealand and Europe in Asset management consulting roles.

Formally trained and experienced in Reliability and Maintenance management as well as business methods and training.

This combination of practical and theoretical skills means that any advice offered or systems proposed, take account of practical constraints as well as ideal solutions.

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#### NOTE:

This brochure is by necessity brief and cannot include a description of all services available through JAHCon.

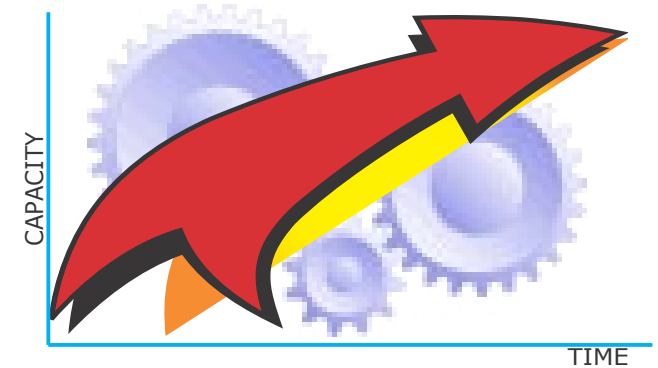
If further information is required please contact JAHCon Physical Asset Management Ltd.

See front cover for contact details.

# JAHCon

PHYSICAL ASSET MANAGEMENT PTY LTD

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*'Profitability through Continuous improvement'*

*JAHCon provides a broad range of physical Asset Management services to manufacturing and process plants throughout Australia.*

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#### CONTACT DETAILS:

**JAHCon**  
**Physical Asset Management Pty. Ltd.**

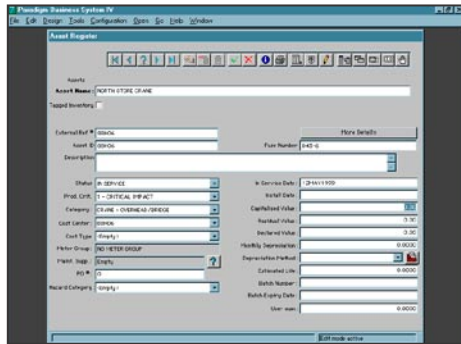
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## Maintenance System Development

- Maintenance cost systems.
- Measuring maintenance effectiveness.
- Maintenance & operations planning.
- Shutdown planning and control.
- CMMS implementation and optimization.
- Maintenance planning & scheduling optimization.



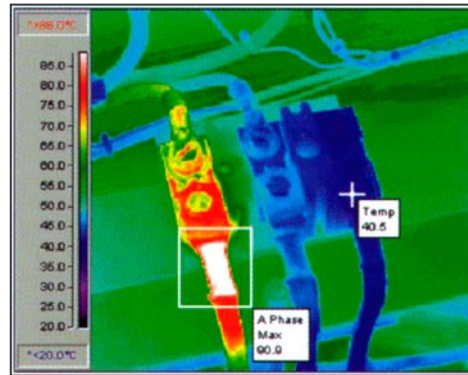
- Maintenance link to the business plan.
- Maintenance plan development.
- Maintenance plan review and optimization.
- Risk assessment of plant and systems.
- Maintenance strategy document.
- Maintenance effectiveness measures.
- KSF's, KPI's.
- RCM program development.
- TPM program development.
- Maintenance team development.

### Maintenance Auditing:

- Baseline Audits (new sites or units)
- Strategic Audits (established sites/units)
- Review of current maintenance practices.
- Benchmark against 'best-practice'.
- Identify potential improvements.
- Implement improvement programs.

## Condition Based Assessment

- Development of Baseline CM & NDT program.
- Audit of existing CM & NDT programs.
- Review of existing asset types.
- Identification of prominent failure modes.
- Assessment of plant criticality.
- Identification of suitable Condition Monitoring techniques such as:
  - Vibration analysis.
  - Wear debris analysis.
  - Thermography.
  - Ultrasonic leak detection.
  - Non-destructive inspection.



- Optimization of CM inspection intervals.
- Integration of Condition Monitoring techniques.
- Integration of Condition Monitoring with other maintenance activities.
- Training of site and contract personnel in Condition Monitoring techniques.
- Interpretation of Condition Monitoring results.
- Managing follow up actions.
- Monitoring Condition Monitoring effectiveness.
- Selection of Condition Monitoring hardware and software.
- Analysis of historical CM & NDT data.
- Continuous improvement for CM & NDT programs.
- Cost effectiveness of CM & NDT programs.

## Maintenance Documentation Systems

- Maintenance document systems to ISO 9000.
  - System development.
  - Document preparation.
- Maintenance manuals.
- Operating manuals.
- Condition Monitoring standards.
- Maintenance standards.
- Maintenance system procedures.
- Work procedures.
- Job safe procedures.
- Development of training documents.
- Drawing standards.
- Document control systems.
- Desktop publishing facilities.

## Maintenance System Analysis

- Analysis of maintenance work control functions.
- Analysis of equipment reliability.
- Complex System modelling.
- Maintenance plans for green-field sites.
- Review/Update existing maintenance plans.
- System analysis & optimization.
- Development of maintenance knowledge bases.
- Spare parts assessment & optimization.

