

Maintenance Outsourcing Excellence

**Reduce risk and add value in a lean environment and
maintaining job quality during challenging business condition**

25th – 27th May 2015, Kuala Lumpur, Malaysia



Paul Wheelhouse - BSc, CEng, MIET,

- ❖ More than 20 years of Experience in Operations, Maintenance and Asset Management Consulting.
- ❖ Director of Red Wheel Solutions Ltd
- ❖ Expertise in enhance return on assets through improved equipment reliability, reduced working capital and effective use of resources including spare parts.
- ❖ Lectures on Asset Management and Engineering MSc and MBA programmes for Manchester University.
- ❖ Former council member for the Institute of Asset Management in the UK.
- ❖ Co-authored a book called "Excellence in Maintenance Management."
- ❖ Assignments across a range of industries (Oil & Gas , Power & utilities and many more) located in Europe, Middle East, North America and the Far East
- ❖ Major clients lists: Aker Kvaener, BP, Burmah Castrol, Gassco, Kuwait Oil Company, Saudi Aramco, Petroleum Development Oman, Shell, Single Buoy Mooring, Petronas and many more.

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Program Overview

Outsourcing some or all maintenance is becoming increasingly popular in a wide range of industries as a way of maintaining maximum flexibility at minimum cost especially in the competitive environment of today.

The emphasis is shifting away from short-term contracts towards long term partnership arrangements where both sides take a share of the risks and rewards. An adversarial approach to contract management is not appropriate here and a total quality approach directed towards a win-win situation and continuous performance improvement is needed.

This 3 days masterclass will also cover on maintaining job quality during challenging business condition.

Attend this course to Master:

- Decide which tasks should be contracted out.
- Evaluate and select potential partners in a cost-effective manner.
- Reach agreement between the parties to share the risks and rewards and ensure continuous improvement
- Design the contract document to reflect this,
- Manage the contract on an on-going basis to ensure that performance is being achieved.
- Ensuring job quality is maintained in challenging business conditions.
- Be adequately prepared to take back in-house outsourced activities if business conditions require it.

Practical Involvement:

Having the ability to implement directly once you are back at your workplace is crucial for every participant. During the 3 days training, practical involvement, review of case studies and workshop examples will be share. Delegates will be expected to share their ideas and experiences. Group practical exercises will include:

Group practical exercises.

- Review of a sample maintenance out-sourcing contract to identify risks and potential problem areas for performance and service value.
- Application of a spare parts best practice assessment methodology.
- Assessing spare parts stock levels taking into account downtime costs and holding costs.

This program is intended

This seminar will appeal to both the owners of extensive assets who require a maintenance service such as utilities, upstream & downstream oil & gas companies, FPSO operators, pipeline operators, chemicals, petrochemicals, cement, steel making, or manufacturing organisations as well as the providers of this service such as contracting organisations and EPC service providers.

- Production managers.
- Maintenance managers.
- Contracts managers.
- Purchasing managers.
- Asset integrity managers.
- Attendees who are experienced in this field can get advantages from an understanding of different practices which are used in a range of industries plus knowledge of the latest tools and techniques which are currently being used

Maintenance outsourcing Excellence (3 Days)

Day 1:

Making the Right Strategic Choices for Performance Improvement

- Why should we consider out sourcing maintenance?
- What activities might we outsource and what would be the associated risks?
- How to achieve lean maintenance with out-sourced maintenance
- Types of relationships which are open to us
- Expectations around availability, reliability & cost
- Balancing and Linking Drivers to achieve a risk-based maintenance approach
- Selecting the Right Partners
- **Case study example from the oil & gas industry**

Day 2:

Specifying the contract so that you can achieve your objectives

- What is being contracted out?
- Setting up performance measures
- Benchmarking for realistic targets
- Maintenance out-sourced case study example
- Performance management & KPIs
- Ensuring value for money

Day 3:

The Contractual Framework needed to ensure Service Performance & Value

- Structure
- Legal advice
- Payment Options
- Risk
- Contractor Behaviours
- Common tricks and pitfalls with maintenance contracts
- Penalties & Incentives
- What if things go wrong?



PETRO1 provides Oil & Gas Trainings & Consultancy services ranging from Petroleum Engineering, Exploration & Production, Subsurface and business related activities in the oil & gas industry. We had successfully made impact to petroleum professional mainly the Top 50 Oil & gas players in the Asia Pacific Region.

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|-------------------------|------------------------------|---------------------------------|
| ▪ Total E&P | ▪ Petrofac | ▪ SGS |
| ▪ Petronas | ▪ Keppel Corporation | ▪ PTT EP |
| ▪ Murphy Oil | ▪ Singapore refining Company | ▪ Halliburton |
| ▪ JX Nippon | ▪ Salamander Energy | ▪ Brunei LNG |
| ▪ Scomi Oil | ▪ Binh Son Refining Vietnam | ▪ Shell Chemical |
| ▪ Hess | ▪ PTT Global | ▪ Worley Parson |
| ▪ Saipem | ▪ Newfield | ▪ China university of petroleum |
| ▪ Clough | ▪ Atkins Australasia | ▪ Beijing |
| ▪ Mubadala Petroleum | ▪ Brunei Methanol | ▪ Thailoil |
| ▪ Bureau Veritas | ▪ Curtin univeristy | ▪ Aker Solutions |
| ▪ Pertamina | ▪ Technip | ▪ Star Petroleum |
| ▪ Peritus international | ▪ Premier Oil | ▪ Jurong Shipyard |

Principal Program Facilitator

Paul Wheelhouse, Red Wheel Solutions Ltd, UK



- More than 20 years of Experience in Operations, Maintenance and Asset Management Consulting.
- Director of Red Wheel Solutions Ltd
- Expertise in enhance return on assets through improved equipment reliability, reduced working capital and effective use of resources including spare parts.
- Chartered electrical engineer a member of the Institution of Engineering Technology
- Former council member for the Institute of Asset Management in the UK.
- Lectures on Asset Management and Engineering MSc and MBA programmes for Manchester University.
- Co-authored a book called "Excellence in Maintenance Management."
- Assignments across a range of industries (Oil & Gas , Power & utilities and many more) located in Europe, Middle East, North America and the Far East
- Major clients lists: Aker Kvaener, BP, Burmah Castrol, Gassco, Kuwait Oil Company, Saudi Aramco, Petroleum Development Oman, Shell, Single Buoy Mooring, Petronas and many more.

Red Wheel Solution, UK

For the past 20 years, Paul had been actively involved in range of industry:

Oil & Gas assignments included:

- Determining the scope of a €100m investment programme for a gas terminal in Germany.
- Reviewing the operations and maintenance strategies for two North Sea production platforms.
- Establishing optimum spare parts requirements for the FPSO vessel Berge Hugen.
- Modelling life cycle costs for a worldwide fleet of 16 floating production, storage and off-loading (FPSO) vessels.
- Reviewing the skills and competencies required for a corporate reliability improvement group in a major Asian Oil & Gas Company.
- Providing operations and maintenance seminars for the oil & gas industry in Europe, the Middle East and Asia.
- Benchmarking maintenance practices for 24 off-shore production platforms.
- Developing a maintenance strategy for a combined heat and power plant on a refinery in the Middle East.

Electrical utility assignments:

Projects on hydro-electric, coal, gas & nuclear power stations together with their power distribution systems.

Lectures, teaching and industrial training capabilities:

- Paul also lectures on the Maintenance Engineering & Asset Management MSc for Manchester University.

Professional Memberships – C. Eng. MIET, MInstAM, AM Inst MC

- Institution Of Engineering Technology (formerly IEE) - Chartered Engineer
- Institute of Asset Management – Council Member
- Institute of Managements Consultants – Associate Member

Paul Wheelhouse worked in the specialty chemicals business for 18 years where he was responsible for Pan-European maintenance and production organisations. A large part of his time was devoted to enhancing the performance of plant, work processes and the functioning of groups.

For the past twenty years Paul has been engaged in maintenance and asset management consulting. This has involved identifying solutions for clients to enhance their return on assets through improved equipment reliability, reduced working capital and effective use of resources. His assignments have been across a range of industries located in Europe, Middle East, North America and the Far East.

Early days

After studying physics at UMIST (now The University of Manchester) he worked in the specialty chemicals business for 20 years in a variety of engineering, production and distribution roles at several locations in Europe.

Visit us: www.petro1.com.my

Investment Packages

Maintenance Outsourcing Excellence	Early Bird Full 3 Days	Standard Price Full 3 Days
Per Delegate	SGD 2963 ()	SGD 3175 ()
TEAM DISCOUNT of 3 or more off 10%		
<ul style="list-style-type: none">- Team discount are not applicable to early bird pricing.- For 5 or more, please do contact us to get attractive price.- Early Bird Promotion Deadline – 28th April 2015.- The above price is inclusive of GST 6%. Please Note that a SGD\$40 will be incur for Administration Fee.		

Delegate Details

1. Name: _____ Mr Mrs Ms Dr

Job Title: _____

Email : _____

Contact No: _____

Department: _____

2. Name: _____ Mr Mrs Ms Dr

Job Title: _____

Email : _____

Contact No: _____

Department: _____

3. Name: _____ Mr Mrs Ms Dr

Job Title: _____

Email : _____

Contact No: _____

Department: _____

Head of Department: _____

Invoice Details

Invoice Attention to: _____

Company: _____

Industry: _____

Address: _____

Postcode: _____ Country: _____

Telephone: _____ Fax: _____

Email: _____

Authorized Signature: _____

REGISTRATION FORM

PROGRAM DETAILS

Venue: Kuala Lumpur, Malaysia

Date: 25th – 27th May 2015

REGISTER NOW

CONTACT: kelvin

MAIN: +603 7727 3952

FAX: +603 7722 5278

Email: registration@petro1.com.my

Credit Card Payment

Please Debit my credit card:

VISA MASTERCARD

Card Number: _____ - _____ - _____ - _____

Security Code: Expiry Date:

Named printed on card: _____

Signature: _____

REGISTRATION DEADLINE

As an internationally operating training organization, PETRO1 would appreciate receiving registrations at least one (1) month prior to course commencement. Registrations after this date will be accepted provided that places are available. We strongly recommend early enrolment to avoid disappointment!

GST input Tax claim

Organization who have register under GST is allow to claim on any GST incurred (Known as input tax) on their purchase to the business.

Payment Method

By cheque/ Bank Draft: Made Payable to PETRO1 SDN BHD

By Direct Transfer: Please quote invoice numbers on remittance advice.

ACCOUNT NAME : PETRO1 SDN BHD

BANK : HSBC Amanah Malaysia Berhad

ACCOUNT NO : 054 – 048061 – 701 (SGD)

SWIFT CODE : HMABMYKL

All bank charges to be borne by payers. Please ensure that PETRO1 SDN BHD received the full invoice amount.

*** Credit card payment will include a charges 2.8%**

Payment Policy: Upon receipt of a completed registration form, it confirms that the organization is registering for the seat(s) of the participant(s) to attend the conference or training workshop. Payment is required with registration and must be received prior to the event to guarantee the seat. Payment has to be received 7 working days prior to the event date to confirm registration.

Venue: All of our training courses are held in 4 – 5 star venues.

The course fee does not include accommodation or travel cost. It's recommended to book the hotel room early as there are only limited room available at the discounted corporate rate.

DATA PROTECTION

The information you provide will be safeguarded by Petro1 that may be used to keep you informed of relevant products and services. We take it seriously when it come s to protection of our client data.

Cancellation & Substitutions: Upon receipt of a completed registration form, it confirms that the organization is registering for the seat(s) of the participant(s) to attend the conference or training workshop. Should you be unable to attend, substitutes are always welcome at no additional cost. Please inform us as early as possible. Payment is non-refundable if cancellation occurs 7 working days prior to event commencement. However a substitute is welcome at no additional charges. If cancellation occurs 5 working days prior to the registration date and there is no substitute, the organizer reserves the right to charge 50% of the total investment from your organization.

PETRO1 SDN BHD is not responsible for any loss or damage as a result of a substitution, alteration or cancellation/postponement of an event. PETRO1 SDN BHD shall assume no liability whatsoever in the event this training course is cancelled, rescheduled or postponed due to a fortuitous event, Act of God, war, fire, labor strike, extreme weather or other emergency.

Walk in Registration: Walk-in participants with payment will only be admitted on the basis of seat availability at the event and with immediate full payment.

Program Change policy: The organizer reserves the right to make any amendments and/or changes to the workshop, venue, facilitator replacements and/or modules if warranted by circumstances beyond its control.