

# ***Pigging Products & Services Association***

## ***Outline one day seminar for UKOPA***

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**10<sup>th</sup> October 2007**

**UKOPA/07/0063**



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# Agenda

- PPSA - Overview and Role.
- UKOPA – PPSA one day seminar, why?
- Outline scope
  - Objective
  - Organisation & Format
  - Proposed Topics
  - Participants / Attendees
  - Costs
- Way forward



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# PPSA - Overview and role.

Aberdeen, 14th November 2007

## PPSA Pigging Seminar

Solving Pipeline Problems Today & Tomorrow

Pigging Products & Services Association



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### Pigging Products & Services Association

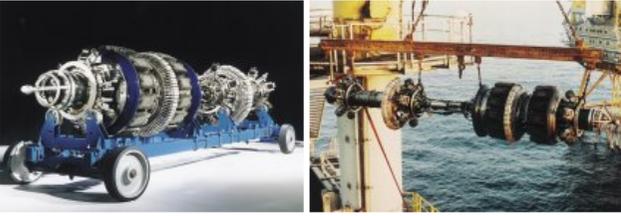
Buyers' Guide  
and  
Directory of Members  
2007 - 2008

"To promote the knowledge of pigging and its related products and services by providing a channel of communication between the members themselves and with users and other interested parties."

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*Disclaimer: The information contained on this web site has been submitted by the Members and is intended for guidance only. The Pigging Products & Services Association cannot accept responsibility for its accuracy, nor for any errors or omissions which may have occurred.*



#### Search PPSA

We invite you to use the PPSA Site Search Engine to find specific information about Member Companies, their products and services. Do not use the word pig in your search request as this entire site and our Association is devoted exclusively to pigs and pigging.

If you cannot find what you need on our web site, please contact [ppsa@ppsa-online.com](mailto:ppsa@ppsa-online.com) direct. A panel of advisers is available to answer your questions.

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# PPSA - Overview and role.

*"To promote the knowledge of pigging and its related products and services by providing a channel of communication between the members themselves, and with users and other interested parties".*

- Formed in 1990, with over 80 members representing the pigging industry throughout the world.
- Major role in providing information and sourcing pigging equipment and services for pipeline operators and the industry.
- Non profit making organisation funded entirely by its members through their annual subscription fees.
- PPSA organises seminars and training courses on pigging.
- Buyers' Guide and Directory of Members is published annually and is available free of charge. Web site [www.ppsa-online.com](http://www.ppsa-online.com).



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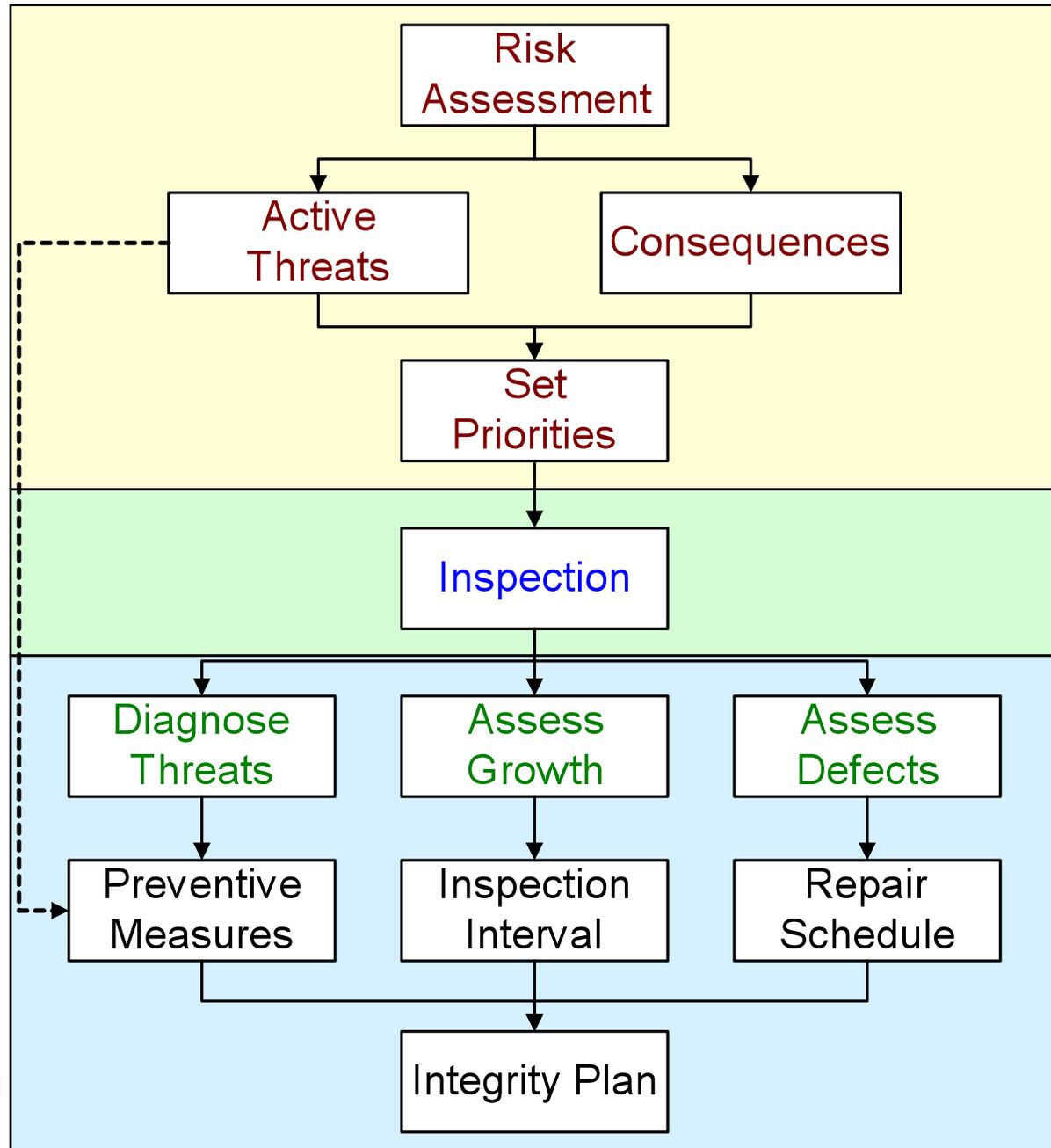
# PPSA – Seminars

- PPSA organises seminars and training courses on pigging.
- The fundamental purpose of the seminars is to improve the level of understanding and knowledge of pigging, by providing up to the minute information and advice, free of commercial pressure.
- UKOPA – PPSA one day seminar, why?



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# Integrity Management Plan



What?  
When?  
How?

Monitor  
&  
Validation



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# UKOPA – PPSA One day Seminar

## Objective

- The primary objective of this seminar is to disseminate information related to new technologies and advances in pipeline pigging and inspection.

## Forum

- A one-day seminar organised for UKOPA Members with invited specialist pigging service providers.
- Share information on recent technology development related to current integrity concerns to the onshore pipeline industry.

## Date

- To be discussed/agreed



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# Outline Topics / Current Issues



Report R 4798



## 2.2.3 Incident Frequency by Cause

The development of product loss incident frequency by cause is shown in Figure 4.

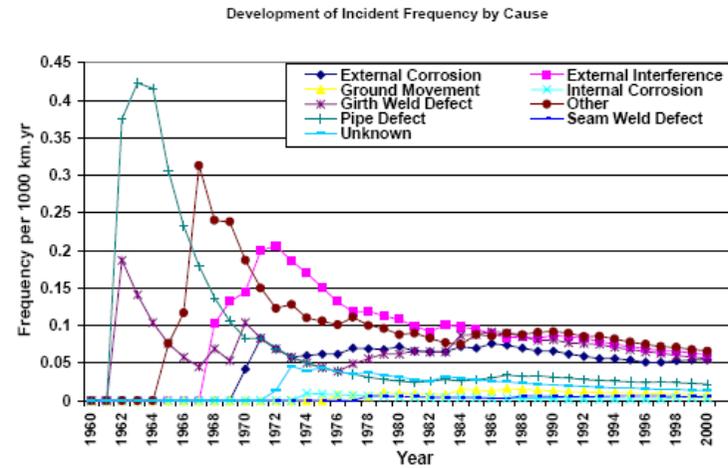


Figure 4

Product Loss Cause	No. of Incidents
Girth Weld Defect	33
External Interference	36
Internal Corrosion	2
External Corrosion	32
Unknown	8
Other	39
Pipe Defect	13
Ground Movement	5
Seam Weld Defect	3
<b>Total</b>	<b>171</b>

Cause = 'Other':

Other Cause	Incidents
Internal SCC due to wet town gas	29
Pipe-Fitting Welds	4
Leaking Clamps	2
Lightning	1
Soil stress	1
Threaded Joint	1
Electric Cable Arc Strike	1
<b>Total</b>	<b>39</b>

Source: UKOPA Pipeline Fault Database <http://www.ukopa.co.uk/publications/pdf/R4798.pdf>

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# Outline Topics

1. **Overview of Primary Threats to Onshore Pipelines** – the needs for in-line inspection.
2. Corrosion detection (POD) and sizing (POS) **capability and limitations of modern high resolution inspection tools.**
3. **Pin-hole and pitting corrosion** – what are the options?
4. **Pipeline Mapping, ground instability & movement** and strain measurements.
5. **Calliper tools** - advances in the characterisation, sizing and advances assessment of geometric anomalies.
6. **Stress Corrosion Cracking**, recent advances in inspection technology.
7. Detection and sizing of **in-service cracking.**
8. **Combination tools** – what is currently available, advantages and limitations.
9. **Third Party Interference** – pipeline monitoring and prevention.
10. **Cleaning** approaches for black powder removal.
11. **Post-Inspection data interpretation** - Corrosion Growth Assessment based on repeat inspections.
12. **Inspection of small diameter (<6”) pipelines.**
13. **Un-piggable pipelines** – the options: hydro-test, inline inspection or direct assessment?
14. **Round Table Discussion** – pigging and inspection related issues of concern to UKOPA Members. Future needs of the industry.



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# Organisation & Format

## Presentation Topics

- It is envisaged that 8 topics of primary interest to UKOPA would be selected.
- Following agreement of UKOPA to proceed and topics selected, PPSA would then approach member pigging companies for expression of interest in presentation against each topic.
- Based on the response, PPSA committee would assess & rank the submissions and select the most appropriate presentations.

## Attendees

- UKOPA Members.
- Invited presenters from PPSA Member service companies only.
- Invited PPSA Members to participate in Discussions / Round table Session.



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# Organisation & Format (contd)

## Organisation

- It is understood that UKOPA would handle the publicity, bookings, collection of delegate fees.
- PPSA would organise the venue (hotel) and invite speakers from PPSA member companies to make the presentations. An exhibition and live demonstrations of pigging might also be arranged if wanted.
- A rough idea of the number of delegates likely to attend would be needed at the outset so a suitable venue could be booked; also UKOPA's preferred date/s and location.

## Costs – initial estimate

- Initial estimate £150 / delegate assuming a minimum of “30+” people. To cover hotel venue, presentation binders and enclosed papers, plus effort from PPSA Secretary both before and during the seminar, and the hotel's delegate day rate (hotel rate to be confirmed when venue, date and number of delegates decided).



*Typical PPSA Seminar Format*

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# Way forward

- Confirm UKOPA interest in the seminar.
- Point of Contacts at UKOPA and PPSA for seminar organisation & co-ordination.
- Date & Venue.
- Seminar Topics and invited presenters.
- Costs - development of seminar costs and delegate rate.



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# Contacts

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