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R2A PRACTICE UPDATE - FEBRUARY 2018

Welcome to our first newsletter for 2018. This year is shaping up to be an interesting one with a number of emerging issues in the risk management and due diligence space. We observe that Boards and senior management are struggling with liability management of risk issues especially OHS obligations. This is partly to do with the continuing confusion around the difference between SFAIRP and ALARP. As Dr Grimes commented in his interim report into the effectiveness of Victoria's electricity and gas network safety framework:

The two approaches overlap considerably and the differences between them may seem quite subtle at first . However, R2A has drawn attention to some significant differences in the practical implications of the two approaches.

R2A is very much looking forward to the year ahead and if we can help you resolve some of these issues in your organisation, please don't hesitate to contact myself, Richard or Tim on 1300 772 333.

— Gaye Francis



ENGINEERING AS LAW

It is the power to cause change that creates ethical concerns. *Knowing* does not have a moral dimension, *doing* does. Mind you, just

OUR PRACTICE

R2A is an independent firm of Consulting Engineers specialising in Due Diligence Engineering.

Read the R2A white papers on our primary areas of practice:

[PROJECT DUE DILIGENCE](#)

[OPERATIONS DUE DILIGENCE](#)

[SAFETY DUE DILIGENCE](#)

Or read our [corporate profile](#).

WORKSHOP DATES

R2A is partnering again with Engineering Education Australia to deliver a two day Engineering Due Diligence workshop in 2018.

14-15 MAR

BRISBANE 9-10 MAY

MELBOURNE 20-21 JUN

PERTH

Workshop objectives and testimonials can be found [here](#)

R2A DUE DILIGENCE 10TH EDITION TEXT

The [10th Edition](#) is a text on the complete engineering due diligence approach to risk issues.

It covers tools and techniques typically used by the industry as well as a number of applications and industry case studies.

Purchase or find more information on our website [here](#).

because you have the power to do something does not mean it ought to be done but conversely, without the power to *do*, you cannot *choose*.

Following on from David Howarth's event last year, Law as Engineering Richard explores the ideas around engineering as law.

[Read more here.](#)



ENGINEERING DUE DILIGENCE WORKSHOP

The following 2018 workshop dates are open for Brisbane, Melbourne, and Perth.

- Brisbane - 14 & 15 March
- Melbourne - 9 & 10 May
- Perth - 20 & 21 June

This workshop provides decision-makers with the tools to implement due diligence processes ensuring the laws of nature are managed to the satisfaction of the laws of man. This includes project, safety, environmental and financial outcomes.

A public workshop is also an ideal opportunity for any organisation who is considering an in-house workshop to get a sense of what the content is by sending along one or two staff members.

Feel free to contact [Richard Robinson](#) direct for any specific enquiries.

Book [now](#).



THE ART OF COMMUNICATING ENGINEERING JUDGEMENT

Engineering judgement is used when making a decision, it involves an engineer weighing up, in their own mind, the pros and cons of the potential courses of action being considered. But how does a graduate engineer develop engineering judgement and their own approach to communicating this knowledge to various stakeholders?.

APTO PPE

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Tim shares his experience in this [blog](#).



HOW DID IT GET TO THIS? PROJECT RISK VERSUS RELIABILITY

Recent findings from a recent court case involving large gaps in predicted and actual traffic volumes has again put large infrastructure projects especially toll roads under increased scrutiny. The fundamental misunderstanding of the project context appears to be the reason. It involves the difference between risk and criticality, and how these two concepts must be addressed in projects and business.

Read more [here](#).

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