



International Institute of Obsolescence Management

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IIOM Members Meeting Agenda for 6th June 2023

To be held at the Doubletree by Hilton Swindon, Lydiard Fields Great Western Way, Swindon, SN5 8UZ.

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Tuesday 6th June 2023

08.50 Introductory IIOM Presentation to New Attendees (current Members are welcome to attend this session)

IIOM UK Members Meeting

09.30 Introduction, Housekeeping, and IIOM UK Update – Dan Grundy, IIOM UK Vice Chair

09.40 Force Technologies Sponsor's Welcome & Introduction

10.00 Supply Chain Risk Management Case Studies - Ruth Gray, Z2Data

10.15 MB339 aircraft OMP in Action – Raffaele Serio, Leonardo Aircraft Italy

10.45 Break

11.20 The Age of the Adaptive Obsolescence Management for High Technology Products - Liam Wright, Jaguar Land Rover

11.50 Members News & Awards.

12.10 STEM - Promoting Obsolescence Management as a STEM Subject with a View to Recruiting the Next Generation of Obsolescence Managers - Neil Middleton, Thales – An update from the last meeting

12.20 Lunch

13.20 The Circular Economy- Repair/ Reuse/Recycle High Technology Equipment - we can do so much more! – Natalie King Barnard, Green Machine Computers.

13.50 If you Understand Football (soccer) then you can Understand Obsolescence Strategy! - Ian Blackman FIIOM, Elan Business Support Ltd

14.20 Managing Software Obsolescence within a Complex Project - David Williams MIIOM, Allan Webb Limited

14.50 Sustainment Success Case Studies - John Dyson, Winslow Adaptics Ltd

15.20 Closing Comments

15.25 Meeting Close

The following information is intended to provide attendees with more information on the presentations

Force Technologies; Sponsor's Welcome & Introduction.

Karen Salmon & Ben Savage- Introduction.

Case Studies

Supply Chain Risk Management Case Studies- Ruth Gray Z2 Data

MB339 aircraft OMP in Action- Serio Raffaele- Leonardo Aircraft - Italy

A brief illustration of our MB339 aircraft OMP, including "real world" obsolescence mitigation "success case stories" for that legacy machine, our "OBS mitigation vision",

"The Age of the adaptive obsolescence management for high technology products"- Liam Wright: Jaguar Land Rover

New autonomous technology is now being requested and desired by customers, who are looking for safer, more sustainable products that are lower in cost to operate. From electronic co-pilots to self-driving cars, a new age is dawning of products that have much higher level of complexity than ever before.

But with new technology come new complexity, and in some cases a lot more predictive data to search through to understand the risks of product obsolescence. The age of the adaptive Obsolescence Plan is here.

But this raises many questions like:

- Is there an easy way of sorting predictive data?
- Can the plan help identify potential technology insertion opportunities that may benefit the customer?
- Will this plan help sub tier suppliers make their design/manufacturing capabilities more resilient to obsolescence in the future?
- Will the adaptive nature of the plan highlight cost reduction opportunities?

Using the cases from Mil/Aero and Automotive industries, this presentation will also provide the case for two-way collaboration between the engineering design team within a product manufacturer and the engineering teams within the sub-tier OEMs to provide a strategy for technology insertion that aligns with a mid-lifecycle product update.

The presentation will examine how different obsolescence management strategies are needed for different phases of a program and how these differences impact the resourcing, costing and timing factors. It will also highlight that in new complex products being reliant on traditional methods of piecemeal resolution of obsolescence issues as they come up may not necessarily be the most effective in avoidance of unnecessary expenditure and risk.

Finally, the presentation will also demonstrate how obsolescence management will in future be supporting the needs of the complex electronic products that will require long term customer support.

STEM – An Update Promoting Obsolescence Management as a STEM subject with a view to Recruiting the Next Generation of Obsolescence Managers - Neil Middleton : Thales

The Circular Economy- Repair/ Reuse/Recycle High Technology Equipment- we can do so much more! - Natalie King Barnard - Green Machine Computers

Following the current theme & drawing on past presentations highlighting "Right to Repair" Regulations & Obligations, this presentation will lead from the front and show how to "Keep it green, recycle that machine !"

Responsible – Reusable items, once refurbished, get a second life with a local school or charity

Economical – Recycling your computer hardware dramatically lowers your carbon footprint

Affordable – By recovering the precious materials inside your e-waste, the company is able to offer a free ITAD service for most collections.

Our repair facility is able to rebuild and reuse old IT equipment, and a large quantity of the refurbished devices get donated to local schools and charities.

If you understand football (soccer) then you can understand Obsolescence Strategy! - Ian Blackman (FIOM) ; Elan Business Support Ltd

Obsolescence professionals struggle to get the recognition and appreciation for their contribution to the businesses who employ them. Perhaps this is because explaining the breadth and depth of what is needed to be done doesn't inspire those being spoken to? Perhaps we need to learn to communicate better as we know the work can be difficult but also rewarding as well as valuable to the employers and end users.

By using the analogy of a game of football we explore the idea that managing obsolescence is essentially like football "a simple game" governed by actions and consequences. Strategy is important in both, and you will not be successful in winning a game of football nor managing the support of a product by using a single strategy or hoping for the best!

The rules of football and possible outcomes have many parallels with the discipline of obsolescence management and through life support. Football and obsolescence management both require, energy, stamina and having intelligence and no fear of getting dirty or hurt!

We will walk through various aspects of the world of football and contrast them with what we can learn in a business and obsolescence context.

We will also sample a few successful players and managers with soundbites of significance.

As obsolescence professionals we don't aim to get the worldwide adulation that football evokes but a more respectable acknowledgement would be a big step forward. Neither sadly, can we guarantee the large salaries and sponsorship deals that footballers receive for even the best practitioners.

"Managing Software Obsolescence within a Complex Project"- David Williams (MIOM) : Allan Webb Limited

This is a case study of managing software obsolescence on a project which is operational and hence all items both software and hardware are considered critical and must have a pro-active approach to obsolescence management.

Within the project there are in excess of eleven hundred unique software items some are well-recognised Commercial off the Shelf (COTS) S products whilst there is significant amount of less well-known software packages and applications. This proactive approach needed to consider system refresh lifecycles as part of the assessment. Due to the nature of the project Software Security and Information Assurance Accreditation is essential.

The analysis, risk assessment and impact is managed within the Allan Webb's (AWL) DiamondOM® tool and during the initial phases of the contract unique processes were developed and tailored to specifically manage software types, configuration and version control taking account of the differing levels of support provided by the Original Equipment Manufacturers and Software Technology Enterprises.

Due to the security nature of the project and the many systems it supported there were significant configuration changes to manage and business rules established. Software obsolescence management and understanding the risk is considered by the Client one of the key major concerns of this programme. AWL took the DiamondOM® tool and environment hosted on the Restricted Network and installed the same configuration onto the Clients Secret Network including meeting all the security and accreditation requirements. The Client wanted bespoke obsolescence risk and availability reports and so AWL were able to generate these from within the DiamondOM® tool.

The customer wanted to have the capability for reporting obsolescence risk and availability and so requested managing their own bespoke reports. Noting the challenges that have been overcome by the Client and AWL to implement this unique service to operate AWL will be able to provide examples of process, approach and solutions as part of this paper that attendees can consider maybe beneficial to their own requirements and business to manage software obsolescence.

In conclusion, there will be some statistical analysis of the activity and guidance on using software roadmaps.

“Sustainment Success Case Studies”- John Dyson : Winslow Adaptics Ltd

Global e-waste is believed to be in the order of 50 Million Tonnes currently, predicted to rise to an astonishing 70M by 2030. Are we happy that we have arrived at this statistic? Or should we demand change? Do we think that it is only a consumer goods problem and that we are OK with it, or do we lead by example?

We can keep a train running for 30+ years, we can keep a plane safely flying for 30+ years, my coffee machine is 20 years old and recently repaired; but at some point in the future, they will all need to be recycled or remanufactured in some way. Where will the electronics in these products end up and what will its future hold?

Starting with an informal poll of the audience ... we will explore where our knowledge, experience and expectation sits currently.

We will show that in fact, what we do as Obsolescence Managers (prolonging the lifecycle of equipment) is by nature mostly sustainable. However, we and the entire Electronic Industry can do more to research, finance and promote the correct recycling or re-use of E-waste.

We go on to explore the past, present and future of electronics recycling. Looking to the industry, who is leading by example and who is falling behind?

As humans, parents, designers, managers, consumers ..., do we want to be known as the generation who destroyed the world and left it in heap for our grandchildren to sort through?