

Project Controls Expo – 14th November 2018 Emirates Arsenal Stadium, London

The Integration of Project Controls into the Finance Function



About the Speaker

Mark Galbraith MBA, Stockpile Business Controller & Head of Profession (Project Controls), AWE Plc.



- ☐ Electrical Engineering Background
- 23 years in Project Controls and Business Management
- Defence and Civil Nuclear sectors

About the Topic







A real case study about...

Harnessing the power of finance and project controls as a combined organisation



About the Topic

The presentation takes you on the journey from recognising the need to form a combined Finance and Business Management (Project Controls)

Organisation; through what has been implemented over the last 5 years and on to a look at the challenges ahead....

About AWE









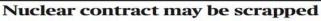
- Deliver nuclear warheads for the UK's deterrent, and use our expertise to support national security
- ☐ In existence since the early 1950s
- Predominantly operate two sites
- ☐ Contractorised under GOCO in 1995
- Customer MoD/DNO (OGD + others)
- ☐ From 2000 AWEML 25 year M&O contract
- Joint Venture between Lockheed Martin, Jacobs Engineering and Serco
- AWE Plc. day to day management of the M&O contract and Operating Licence Holder



AWE hits the headlines...









A 25-YEAR CONTRACT to manage Britain's nuclear weapons stockpile may be

torn up by the government amid spiralling costs and overruns.

Concerns are mounting over poor performance on a series of key contracts at the Atomic Weapons Establishment (AWE), the top-secret nuclear research and warhead manufacturer at Aldermaston, Berkshire.



...early 2014





Customers crisis of confidence



- Performance in the delivery of some of the largest, most complex nuclear projects was not meeting established baselines for cost & schedule.
 - Governance was inadequate to recognise initial cost & schedule risks
- ☐ Failure to establish an integrated approach to component delivery created a lack of clarity of true demand.
 - Lack of an integrated programme
 - Multiple internal delivery dates causing confusion and not aligning to the overall needs of the business
- ☐ Ineffective key control processes hampered key management information availability and quality.



AWE's Response...the 'transformation plan'

Corporately: □ Improved corporate governance. □ Up skilling in programme management expertise. □ More robust financial and programme control environment established. □ Modernised Contract – Qualifying Defence Contract – Defence Reform Act 2014 & Single Source Regulations. □ Centralised Programme Management Office (PMO)

AWE's Response...the 'transformation plan'

Forming the Finance & Business Management Organisation:

- Adapting Lockheed Martin 'business operations' model
- Bringing together finance and project controls functions
- Embedded <u>BUT</u> independent from project delivery teams
- ☐ Improved MI data driven utilising Earned Value Management
- ☐ Baselined Programme the PMB 'ONE' version of the truth...
- ☐ Culture shift transparency / no surprises



AWE's response...re-establishing some basics

☐ F&BM Vision:

to be seen as an engaged and trusted team...





Right Information F&BM Drives Value for Money Right Controls Right Decisions

☐ F&BM Purpose:

right information, right controls, enabling the right decisions...





What...needed doing?



What we do..

Service Catalogue

How we do it..

Processes

How we're organised to deliver it..

Organisation Design

Who does what...

Role & Position Profiles

Competency Framework

What we need to be good at..

What we need to keep under control..

Control Framework

Key Performance Indicators

How we know whether we're good at it..



How...the 'Hot House'

- ☐ Group of SME's from all related sub-functions
 - Project Controls
 - Finance
 - Supply Chain
 - Commercial



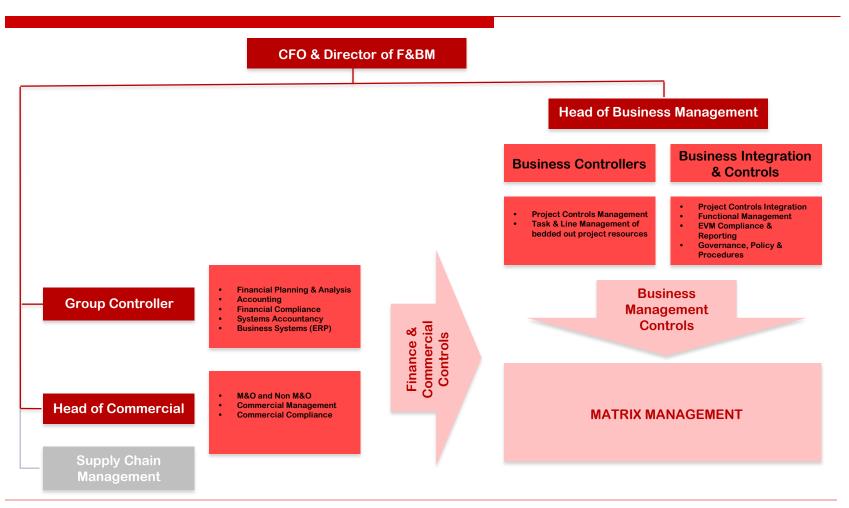
- Operating Model
- Service Catalogue
- Processes & Process Controls
- Demand Sizing, Job Descriptions & Role Profiles
- Competency Framework
- ☐ Formed the basis for the new Organisation

..but it was just the start..!



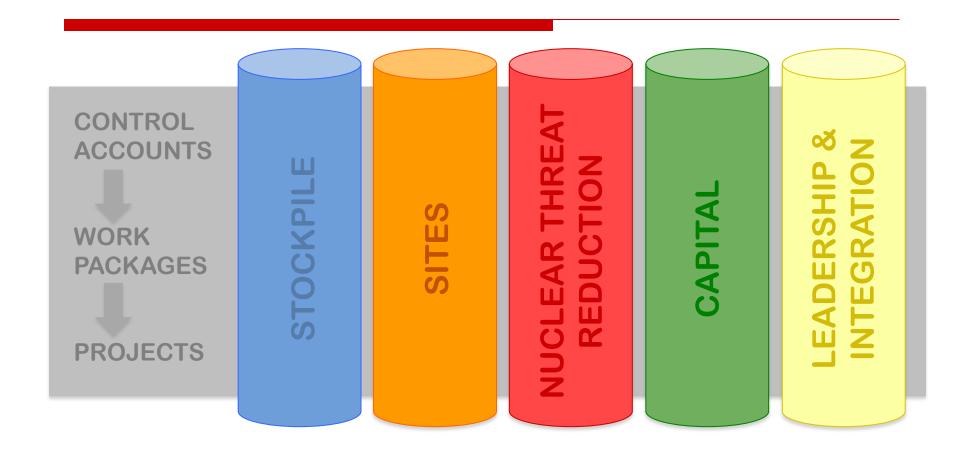


F&BM Operating Model



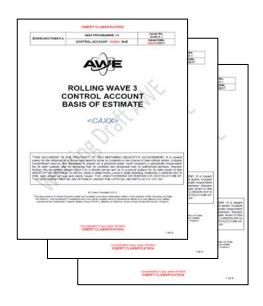


5 Pillar Contract Structure





Contract Artefacts



- ☐ Statement of Work (SoW)
- ☐ IMP / IMS
- ☐ Basis of Estimate (BoE)
- ☐ Basis of Schedule (BoS)
- Master Data & Assumptions (MDAL)
- ☐ Risks & Opportunities

Governance Framework

- ☐ Performance Measurement utilising Earned Value
- ☐ Programme Performance Management System (PPMS)
- ☐ CAM101 training
- Work Authorisation
- Baseline Management Change Control
- ☐ Integrated Surveillance Reviews
- ☐ EVM Compliance and Reporting

SOx

- ☐ Effective framework of internal controls
- Documented evidence of controls being performed
- ☐ Regular testing and sign-off both internally & externally

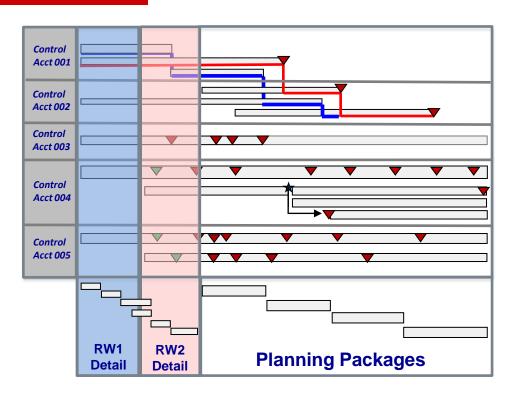
BENEFITS

- ☐ Enforced strong control environment
- ☐ More reliable financial information
- ☐ Reduced risk of errors or irregularities



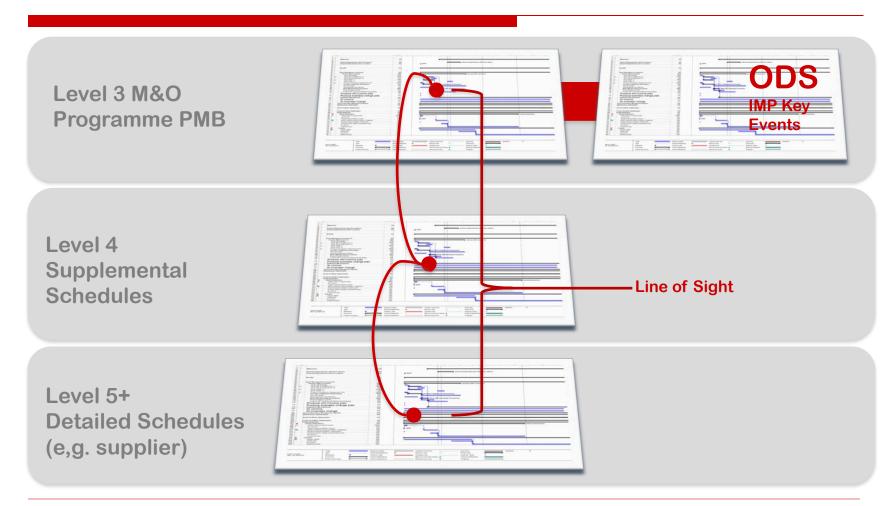
Rolling Wave Planning

- ☐ Rolling wave approach
- ☐ Typically next year in detail
- ☐ Subsequent years mix of detail and planning packages
- ☐ Currently refreshed each year



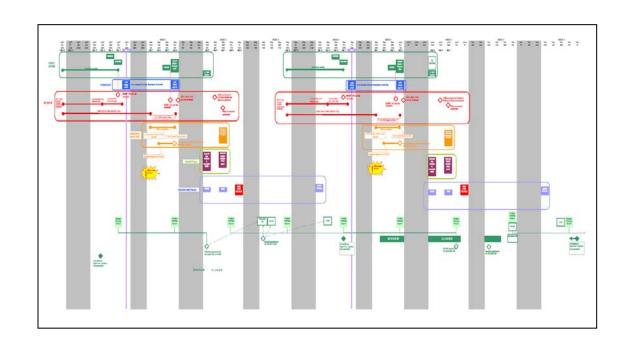


Overall Programme Baseline IMP/IMS

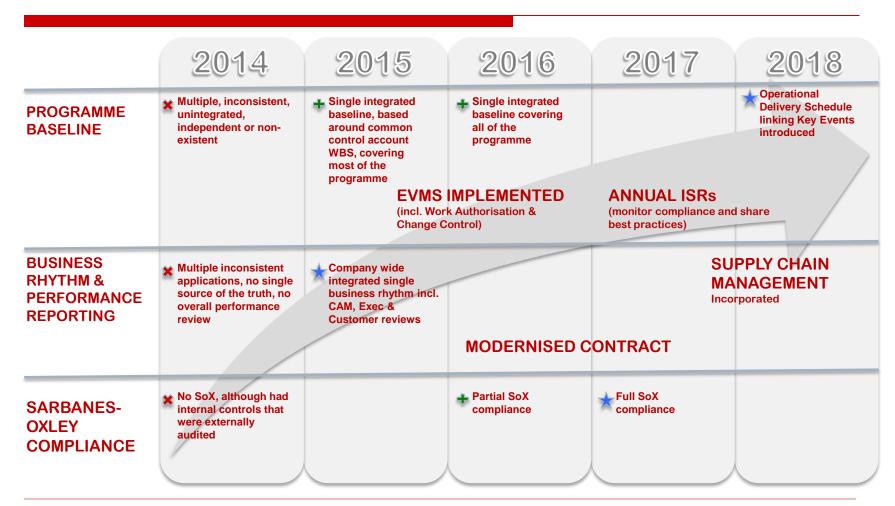


Business Rhythm

- Well established
- ☐ Standardised performance review meetings
- ☐ Standardised reporting packs
- ☐ Data 'direct from the system'
- ☐ Includes customer reviews



Where are we now..key highlights





The Challenge Ahead

- ☐ Coaching role to 'commercialise' AWE's thinking
- ☐ New ERP system
- ☐ Update project controls toolset
- ☐ 'One F&BM' boundaryless
- Continue building internal capability









AWEsome Job Opportunities



If you're looking for an exciting career in an organisation that is ambitious, innovative and developing world class capability.....

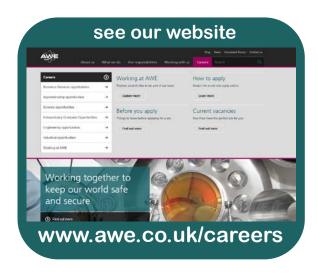
We're looking for you!

Planners

Cost Engineers

Commercial Managers

Supply Chain Professionals





AWEsome Job Opportunities





Visit us at Skills London 2018

The UK's biggest jobs and careers event!

Skills London is the UK's biggest jobs and careers event for 15-24 year olds and their families, taking place on **23 & 24**November **2018** at **ExCel London**.

? Questions?

- mark.galbraith@awe.co.uk
- g @markrgalbraith

