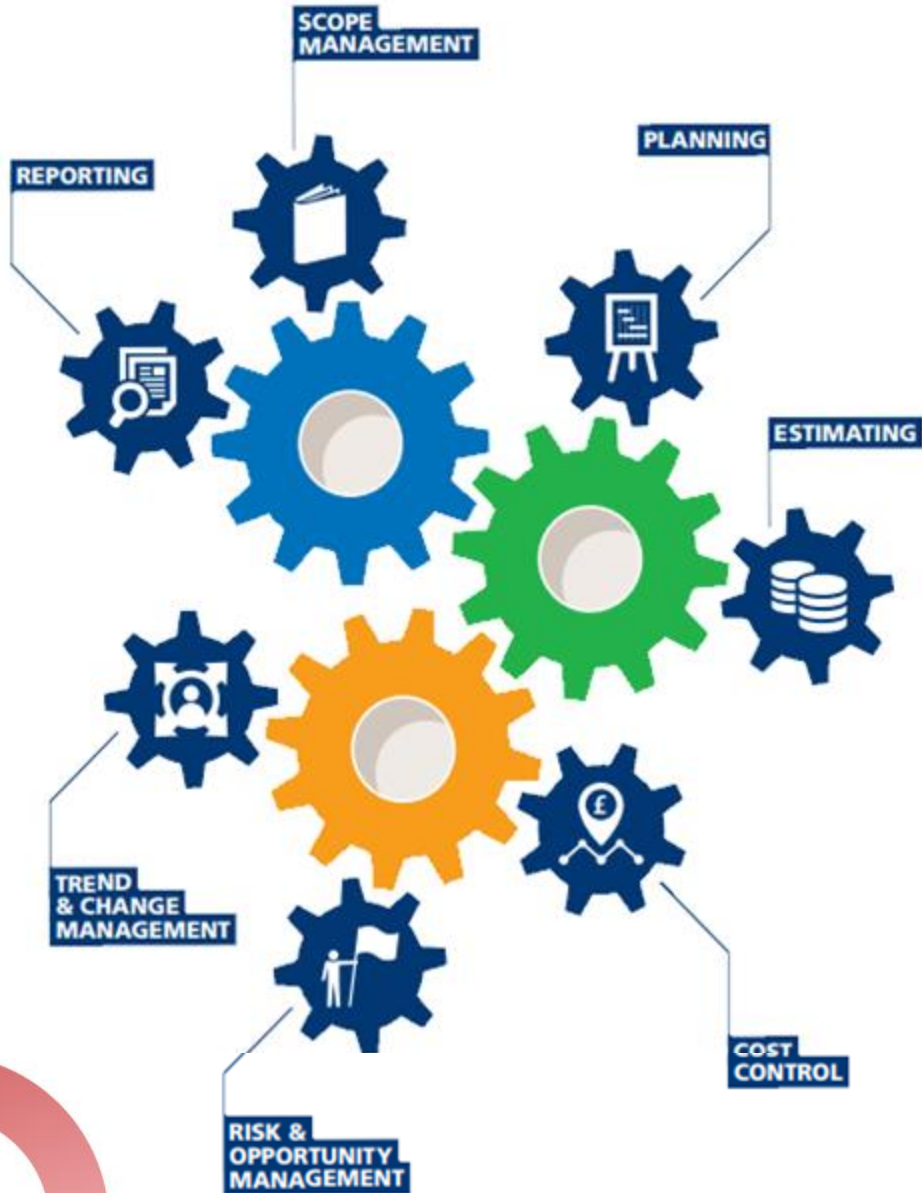


# Hinkley Point C



**Beth Campbell – Head of PMO**  
**Andy Anderson – Head of Integrated Planning**





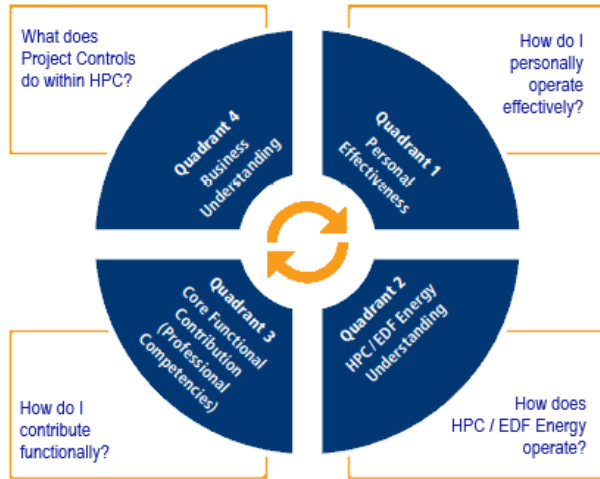
## Integrated Project Controls At HPC

Discipline Managers based in the Central Controls Team responsible for defining:

- Standards
- Procedures
- Systems and Tools

Project Controls Managers based in the Delivery Teams responsible for ensuring that our Project Control Practitioners work to the defined processes

# Integrated Project Controls - Organisation



Capability is driven based on the development of four quadrants which align to

- Leadership and Team
- Organisational
- Technical
- Business Competency

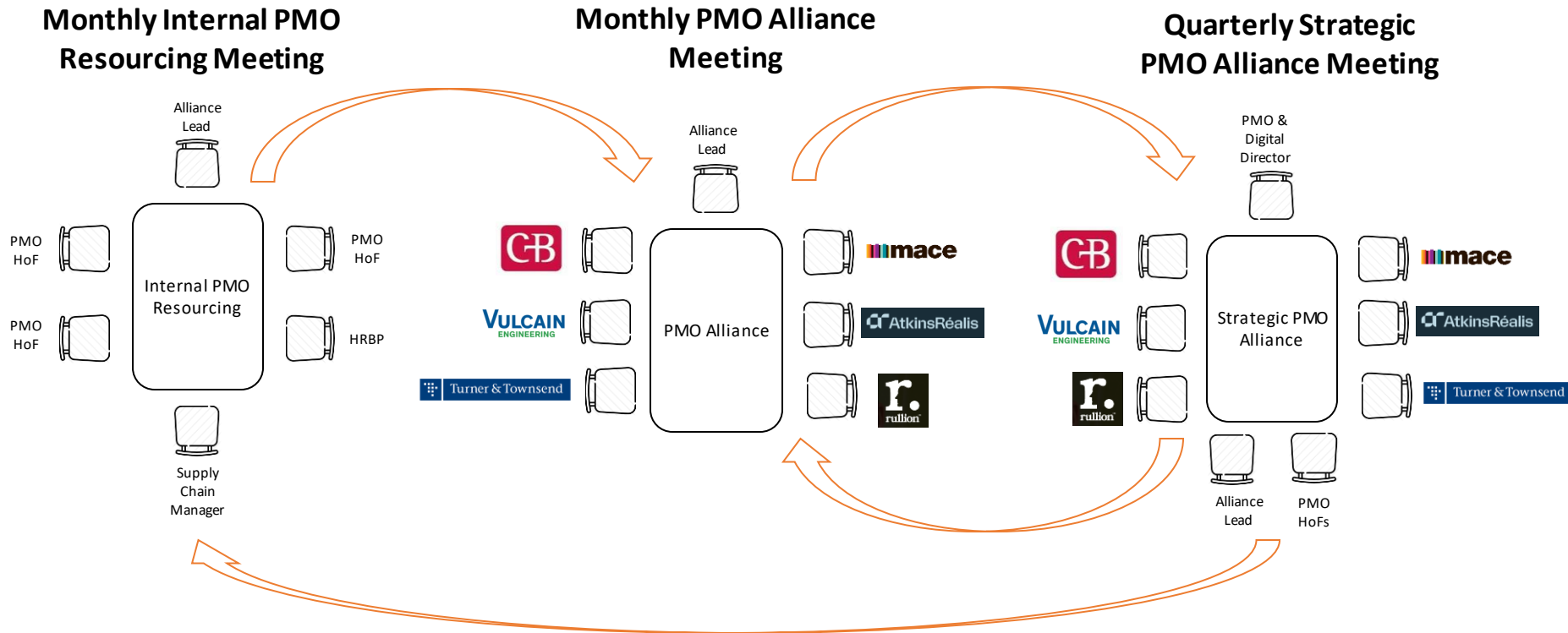
The Integrated Project Controls Team has seven levels of structure.

The first five levels are operational with the remaining two being pipeline levels.



# Integrated Project Controls – Pipeline PMO Supplier Alliance

The main objective of developing a PMO Supplier Alliance is to increase collaboration between existing and new PMO suppliers, focusing on resourcing strategies for the identification and submission of candidates to PMO, using a 'best athlete' approach.



## Integrated Project Controls – Pipeline Apprentice

- HPC Project Controls Apprenticeship Scheme is now in its 5<sup>th</sup> year and is mainly focused on the HPC Project
- The 3 year scheme plus End Point Assessment (EPA) is delivered in partnership with BTC
- Qualifications gained at the end of the scheme are a Level 3 Diploma as a Project Controls Technician and a BTEC in Engineering (Level 3)
- Jointly run scheme across HPC – EDF, Turner & Townsend, Jacobs, Mace, Faithful and Gould



# Integrated Project Controls – Planning Academy

Initial programme started in Summer 2022 with HPC supporting Vulcain and i3Works to run a training programme to provide new resources for project planning.

## Programme

1 year programme comprising:

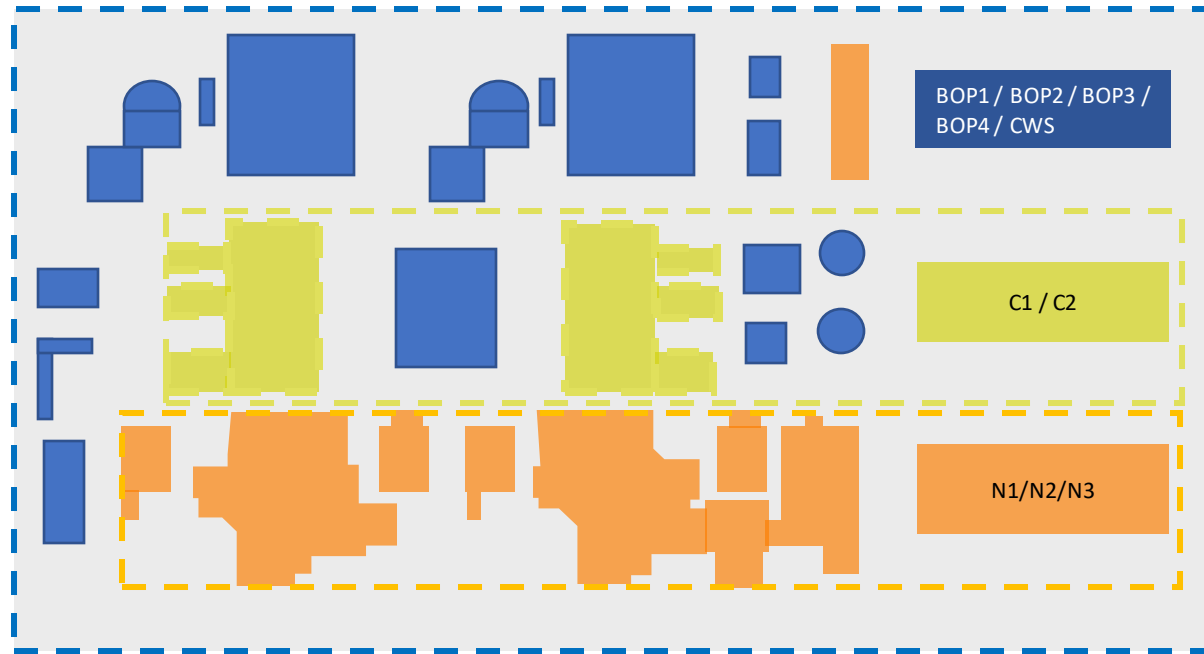
- Intensive up-front in-house Training Programme
- On the Job Training
- Project Placement
  
- Resources trained in ground-up planning from fundamentals. Not focused on the tools but the techniques to form solid plans
- Resource locally to reduce impact of relocation and encourage working on site
- Providing the baseline knowledge for new candidates to move careers introducing new skills into the talent pool
- Those with experience in other industries can join with the necessary competencies and behaviours to deliver more effectively.



# Integrated Project Controls At HPC

|                                      |   |
|--------------------------------------|---|
| Leadership                           | <ul style="list-style-type: none"><li>• Director and Head of Function Leadership &amp; Strategy</li><li>• Oversight for Integrated Project Controls</li><li>• Oversight of deployed teams</li></ul> |
| Cost                                 | <ul style="list-style-type: none"><li>• Managing the process of planning and controlling cost &amp; EVM</li></ul>   |
| Schedule                             | <ul style="list-style-type: none"><li>• Managing IWS for all Areas and Programmes including L2 &amp; L4</li></ul>   |
| Delivery Integration                 | <ul style="list-style-type: none"><li>• Oversight of Delivery Work Packages and Hotspot Management</li></ul>  |
| Risk                                 | <ul style="list-style-type: none"><li>• Managing the process of forecasting and evaluation of risks together with identification to avoid or minimize their impact</li></ul>                        |
| Baseline, Estimating & Change        | <ul style="list-style-type: none"><li>• Managing and controlling the performance measurement baseline incorporating agreed change</li></ul>   |
| Performance Information and Analysis | <ul style="list-style-type: none"><li>• Managing performance information to support decision making at all levels</li></ul>   |
| PMO Effectiveness                    | <ul style="list-style-type: none"><li>• Managing the development of the PDM, supporting the PM Community and people management</li></ul>  |

# Area Delivery Model



Balance of Plant Area

Conventional Island Area

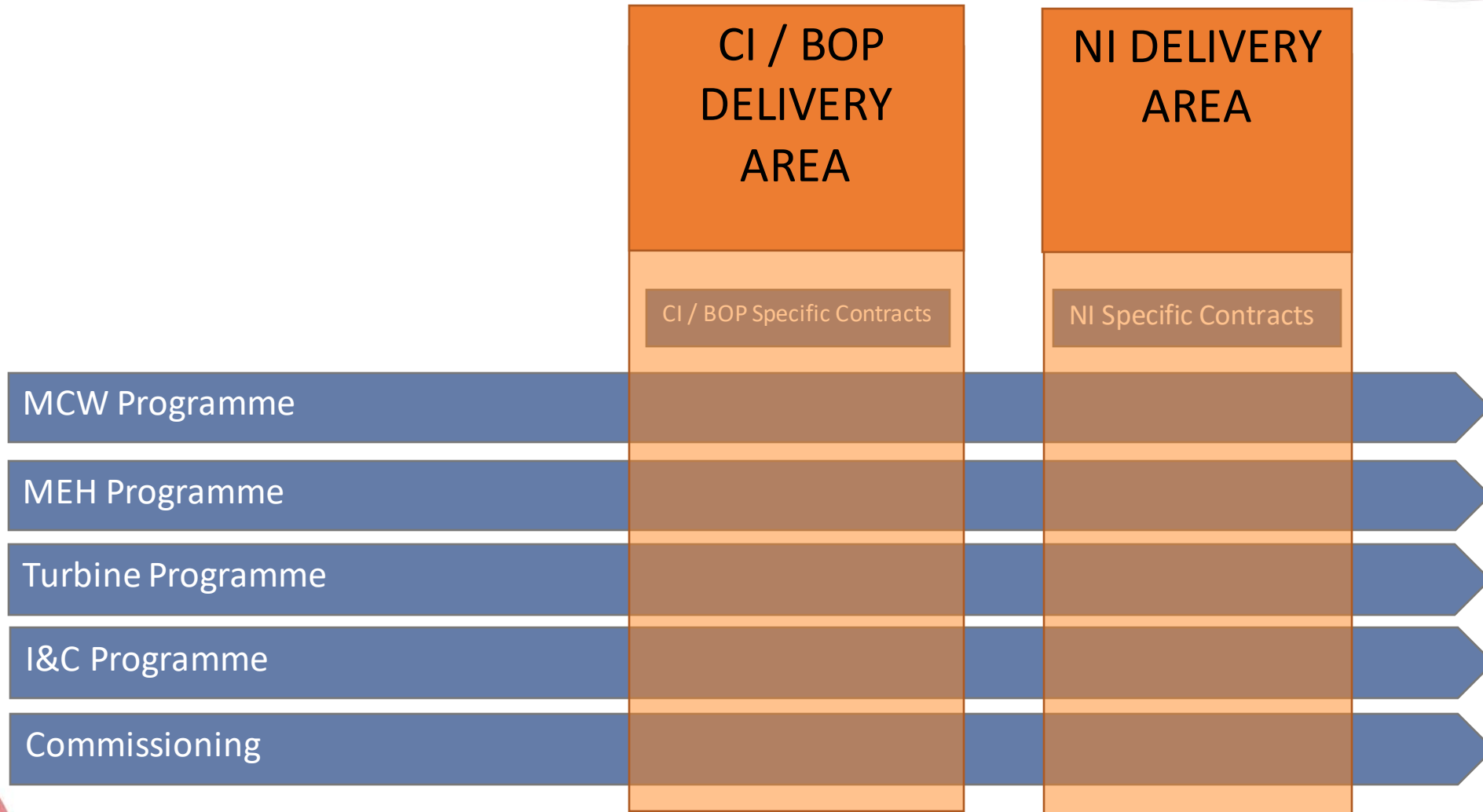
Nuclear Island Area

END to END Accountability for Integrated (Best for Project) Delivery of:

- Area Specific Contract scope
- Transverse Scope
  - Main Civil Works
  - MEH
  - Turbine Group
  - Transverse I&C scope
  - Commissioning



# Matrix Delivery Structure



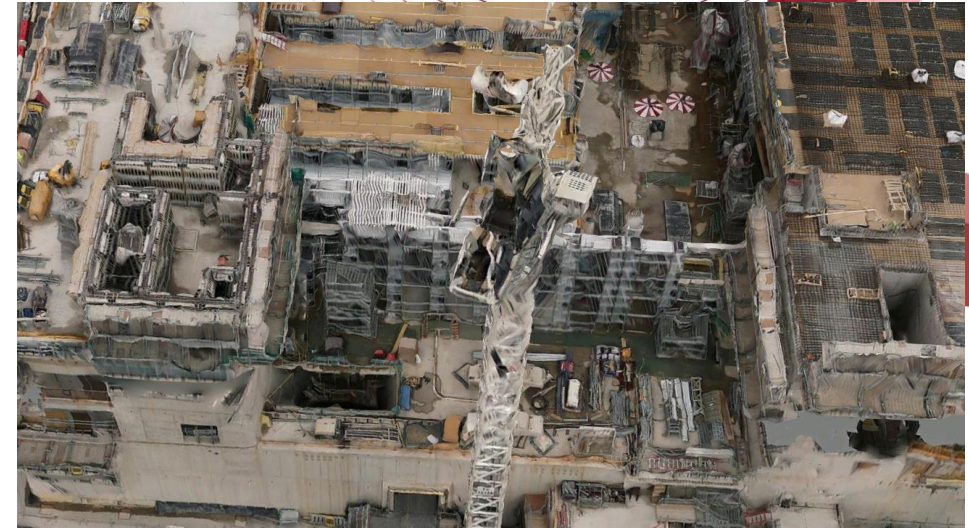
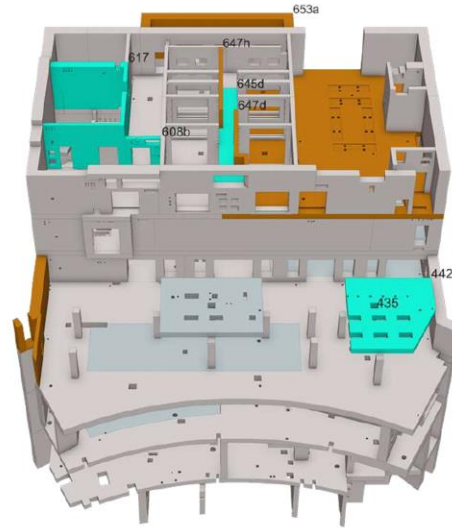
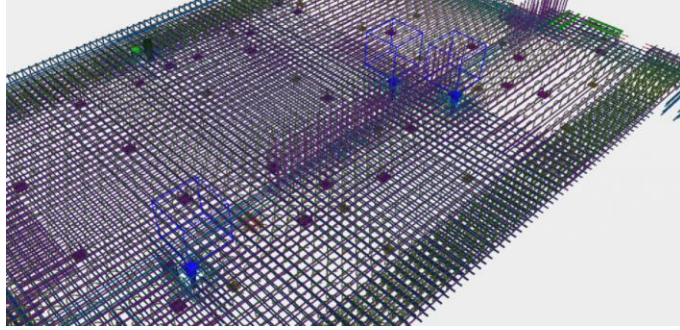
# Integrated Project Controls Monthly and Weekly Supplier Works Information



## Performance Metrics:

- EVM Data including ACWP and BCWP
- Estimate to Complete for approved scope
- Narrative Commentary
- Risk & Opportunities
- Resource Hours
- Full Time Equivalents (FTEs)
- Quantity Performance

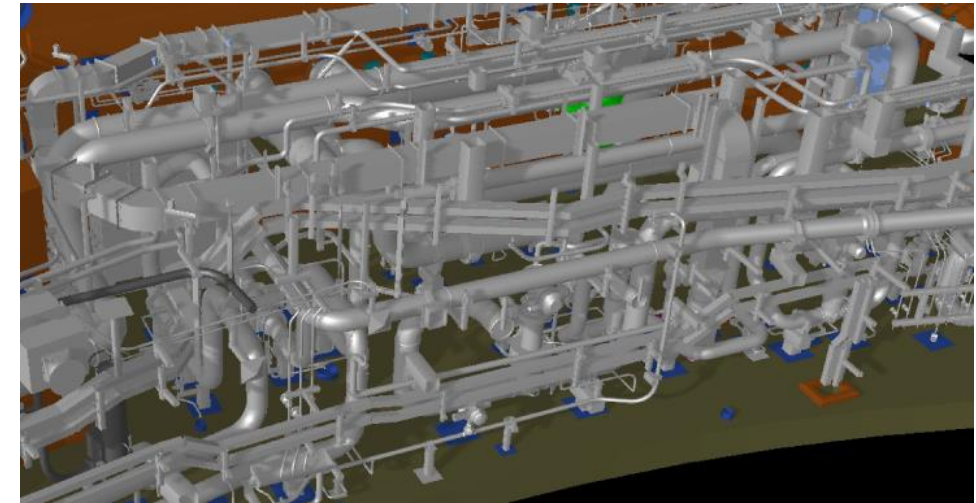
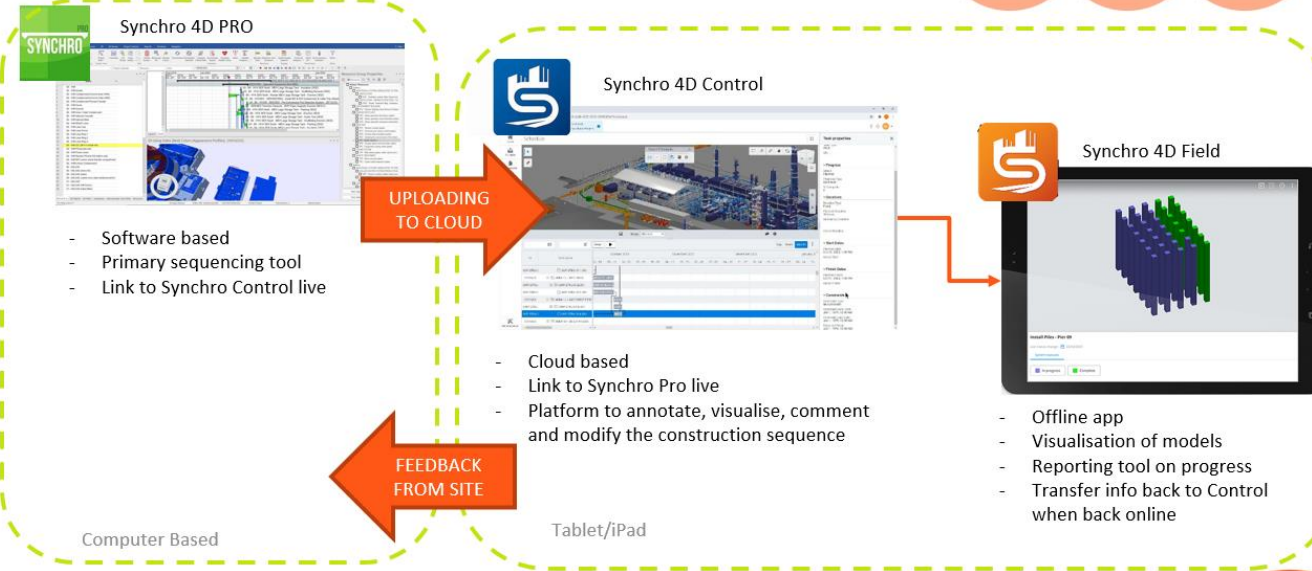
# Bringing 4D Planning to Site



## Bringing 4D to Site (Next Step)



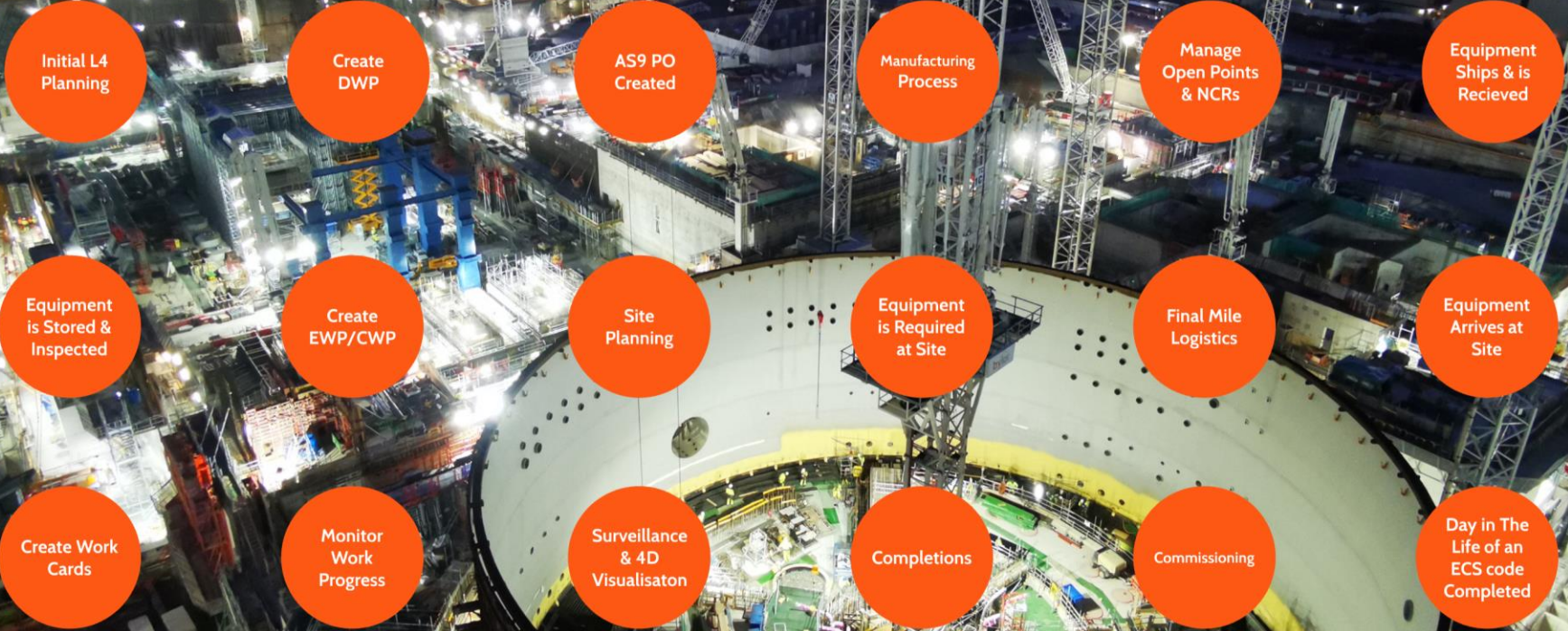
Trial endorsed by MEH Joint venture, construction resource has been identified to trial within HF and HL buildings  
Digital PMO & the Atkin's 4D Lead have started the process of how best to implement



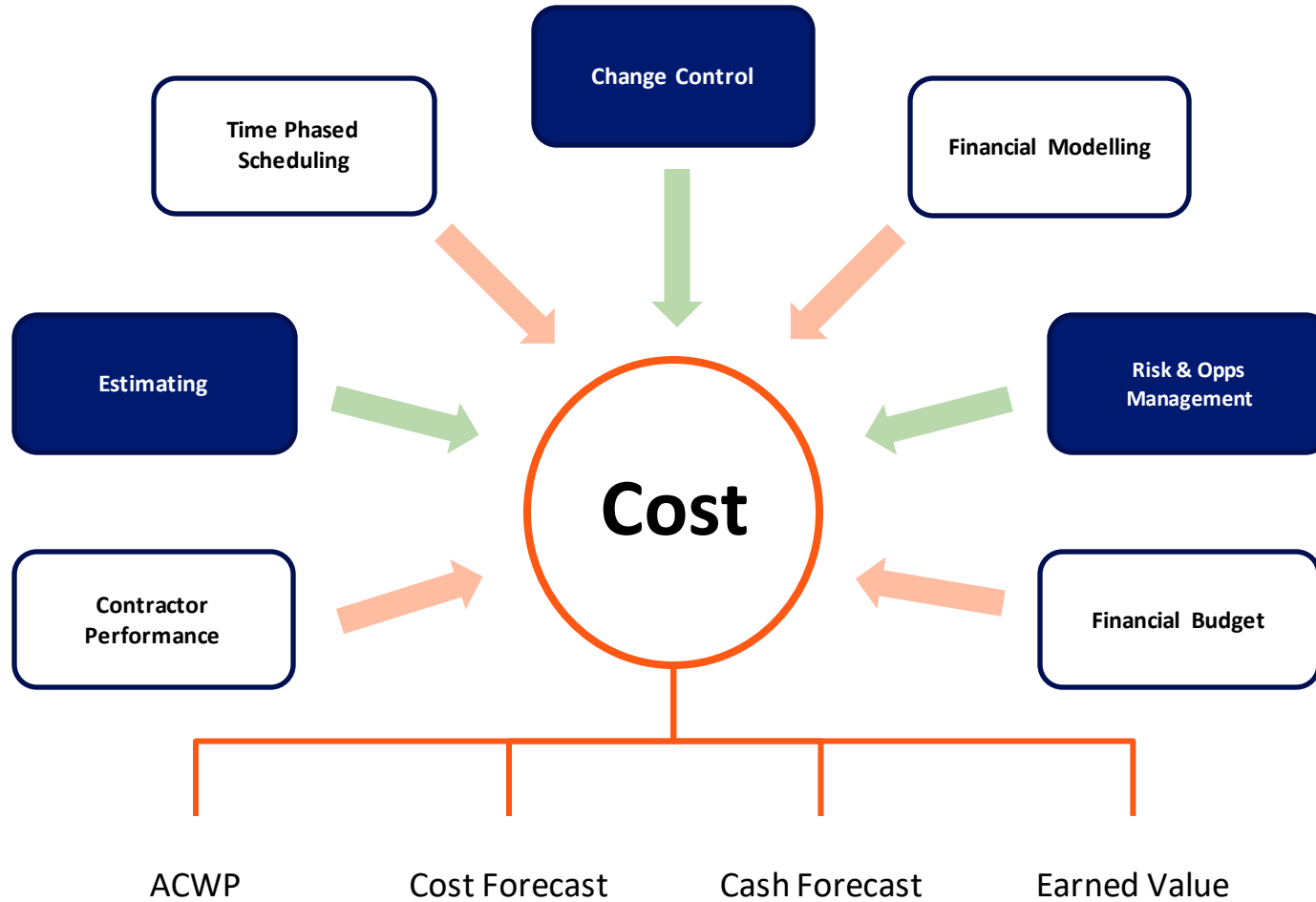
# HPC Digital Tools Overview



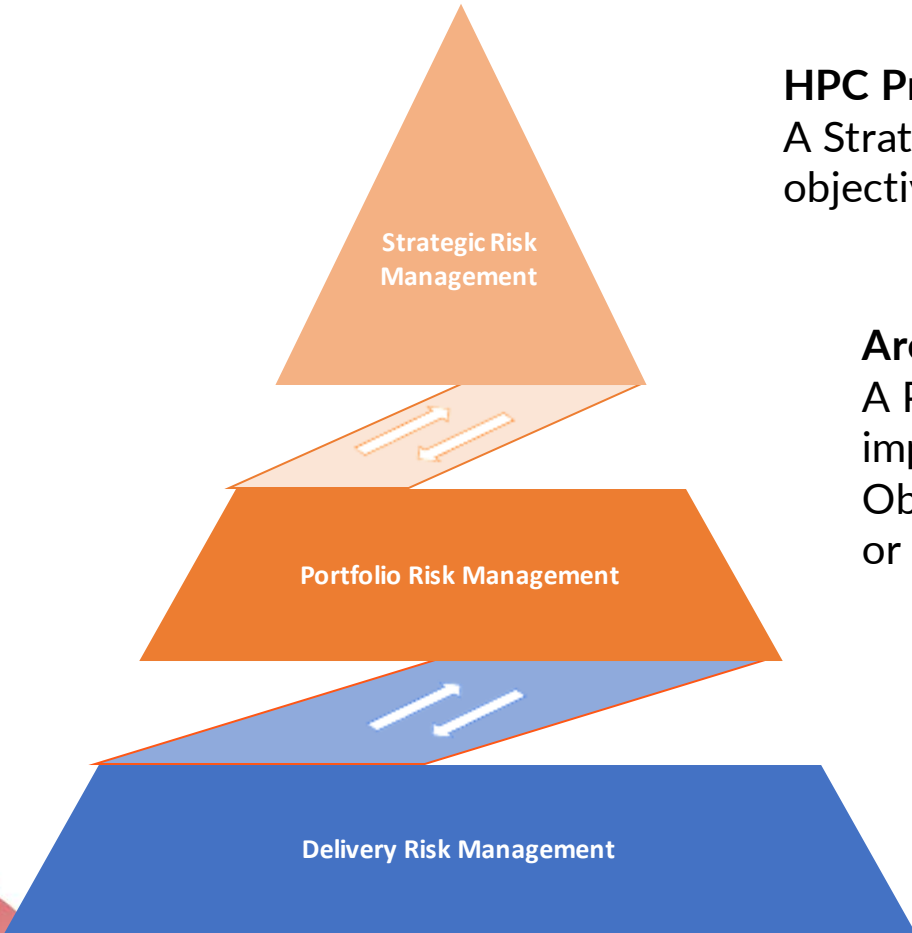
## OUR DIGITAL TOOLS IN ACTION...



# Integrated Project Controls – Cost



# Integrated Project Controls – Risk



## HPC Project Impact

A Strategic risk is an uncertainty that impacts the overall strategic objectives of the HPC Project.

## Area / Programme Impact

A Portfolio Risk is a grouped set of similarly themed uncertainties that impact the ability of a Programme / Area / Function to achieve its Objectives. They can be an aggregation of many similar delivery risks or single risks that meet the Portfolio Risk threshold.

## Contract / Scope Impact

A Delivery Risk is an uncertainty that impacts the Objectives of a single contract or scope of work within the HPC Project. This includes risks identified in Delivery, as well as Functions.

## [Behind the scenes site tour of Hinkley Point C | September 2023 - YouTube](#)

Behind the scenes site tour of Hinkley Point C | September 2023

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**THANK YOU**