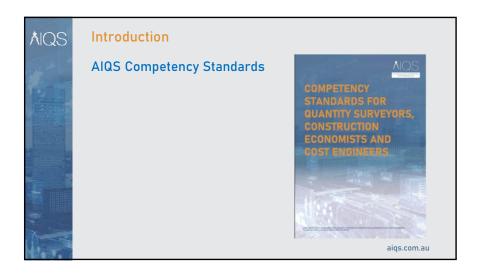
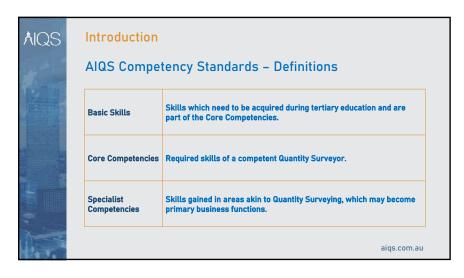
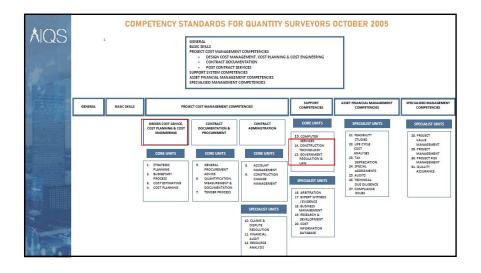
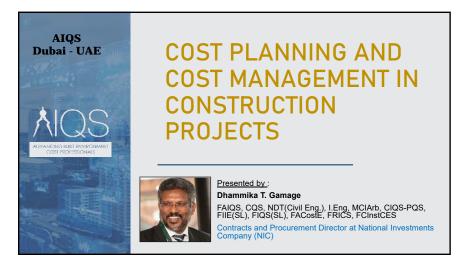


AGI	ENDA		
Sl. Nr.	leading	Minutes	Conducted by
I	ntroduction		AJ
1 I	Design Economics and Cost Planning	60	DTG
2	Construction Technology	60	KD
)&A		
7	Total (Minutes)	120	
1	Cotal (Hours)	2 Hours	
			aiqs.com

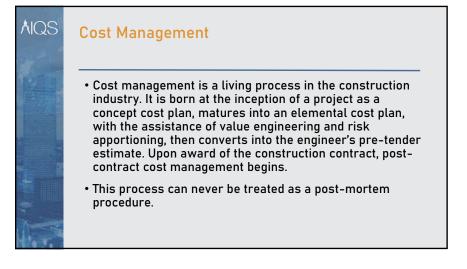


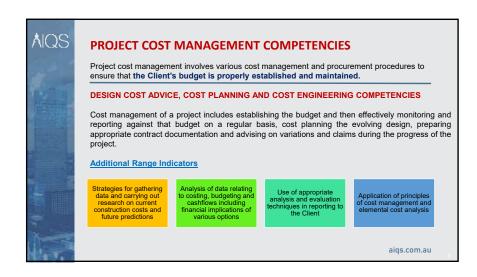


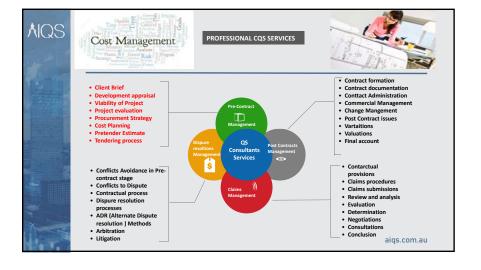


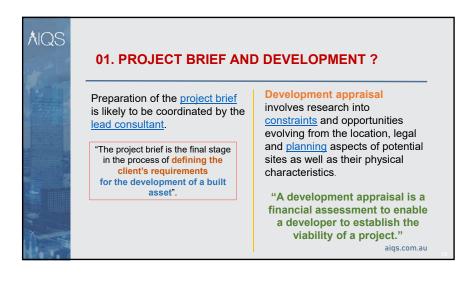


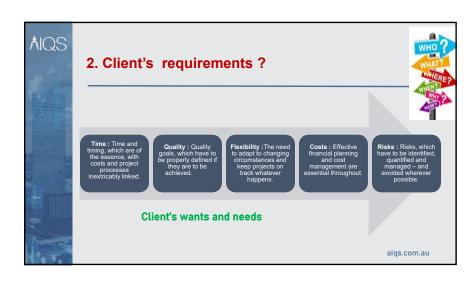


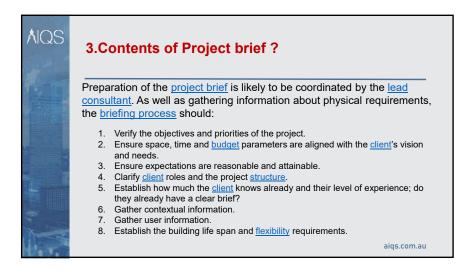




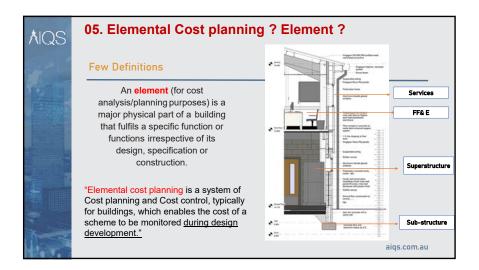


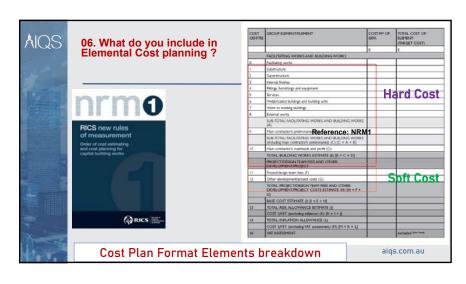




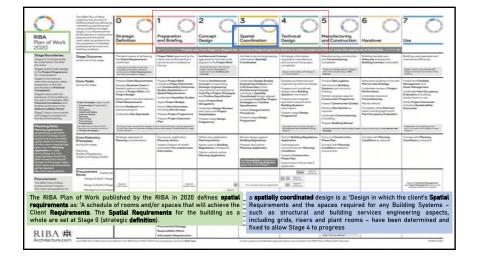


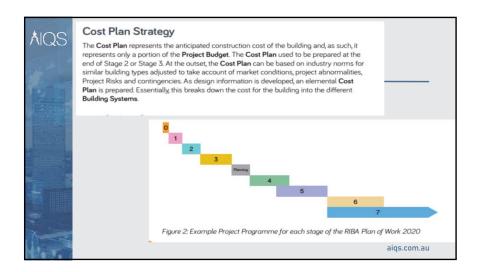


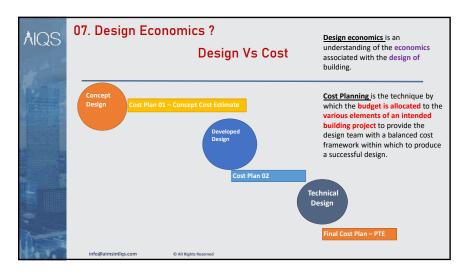


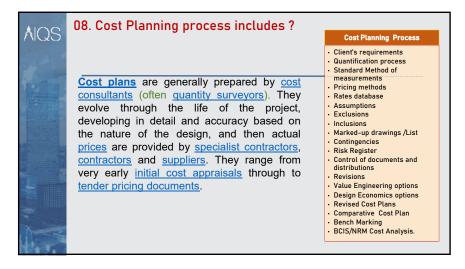


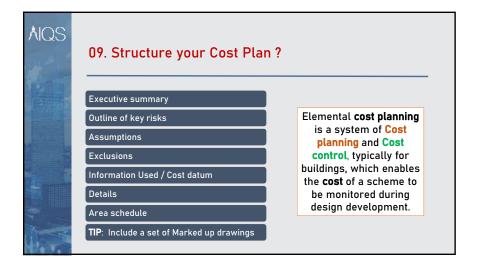


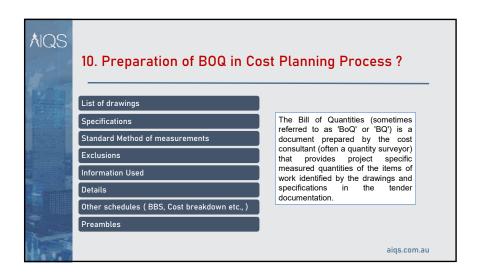


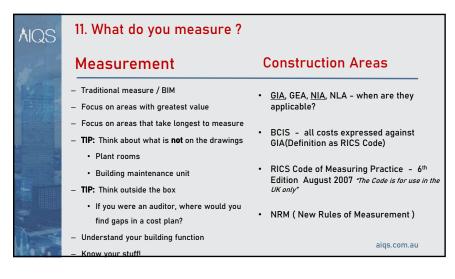




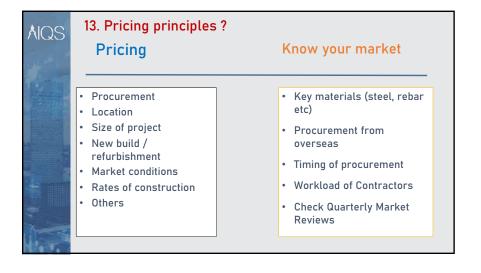




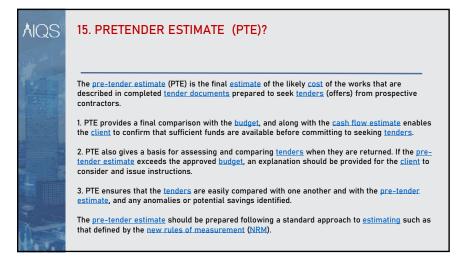


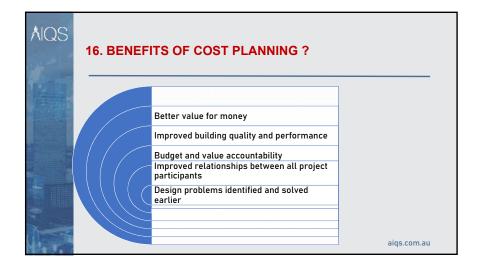


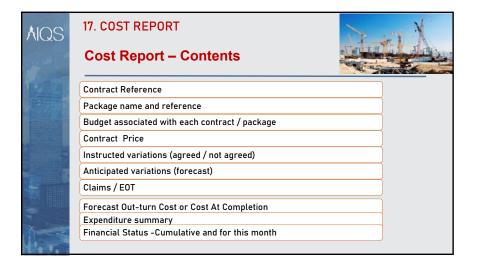


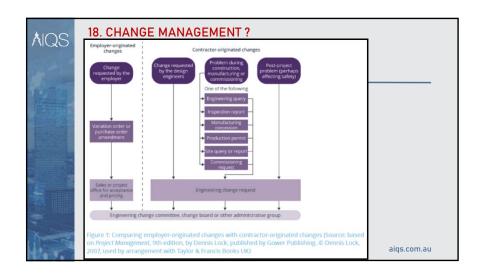


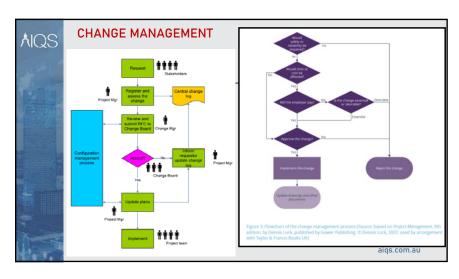




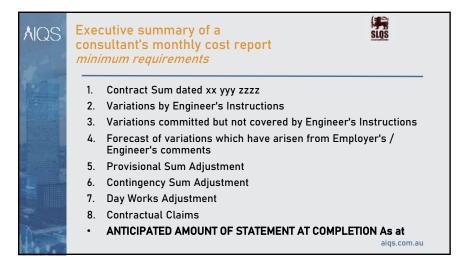




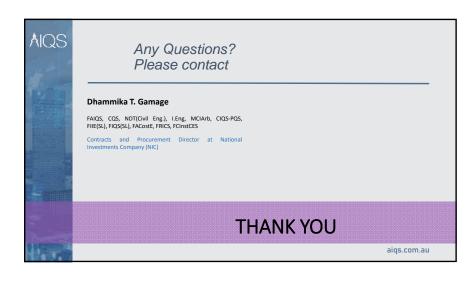




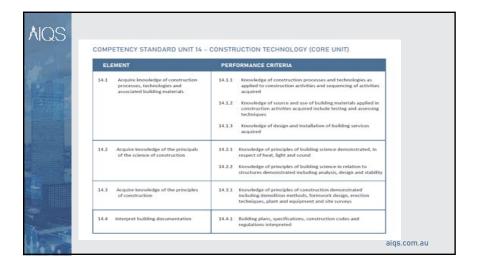












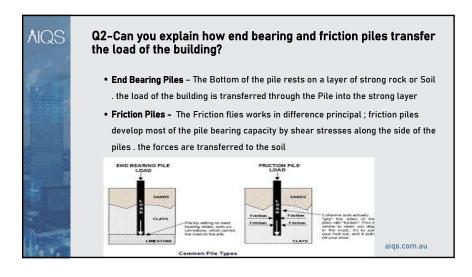


Q1- Explain the Purpose of foundation

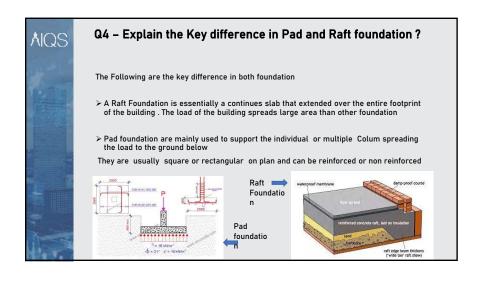
The followings are the purpose of foundation.

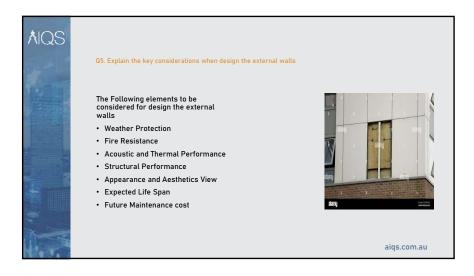
- Foundation Provide the support to the Structure
- Transferring the structure load to the ground to avoid any excessive settlement
- Foundation should bear the Load of the Superstructure

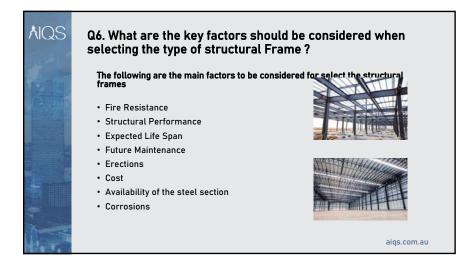
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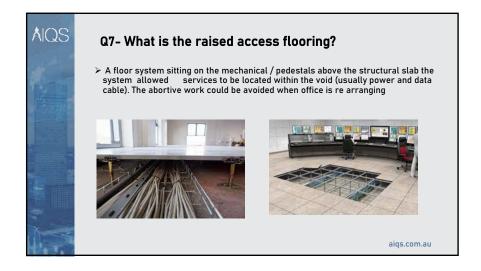


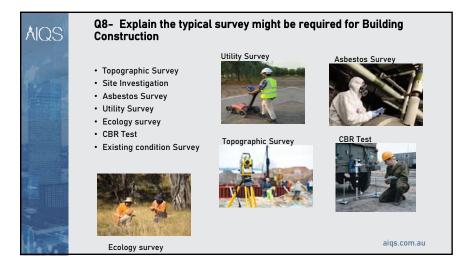
Q3. What are the typical consideration when selecting the and size of the foundation - The following are the key constrain to be considered for selection of the foundations - The total load of the building - Nature of the load bearing capacity of the ground - Type of Structure - Cost - Construction Constrain (for example their proximity to adjacent buildings/structure) - Program













Q09- What are the key factors should be considered when design the Internal partitions?

- The Following Elements need to be considered for Design The Internal Partition
- Fire rating and Acoustic requirement
- · Requirement of the Doors and internal windows
- · Height of the partition
- Material
- · Strength and Structural requirement including fixing details
- Cost







Q10-Explain the Objective of Site Investigation.

- > The Determine the Suitability of the Site suitability of the Site for the proposed work and determine adequate economical foundation design
- > To determine the potential construction difficulties
- > To Determine any soil improvement is required
- > To mitigate the impact to the environment
- >To determine the any drainage improvement is required

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Q11 - Explain the Key Advantages in timber frame.

- Construction on site Faster (Compared to In situ concrete Frames)
- · Structure is relatively light weight
- · Given good aesthetically View



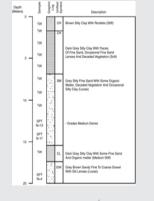




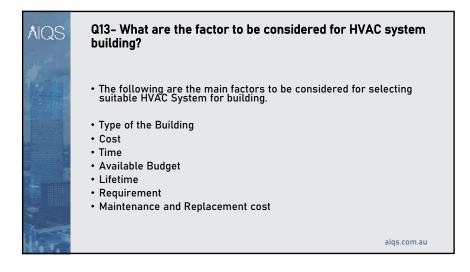
Q12-What are the outcome of soil investigation

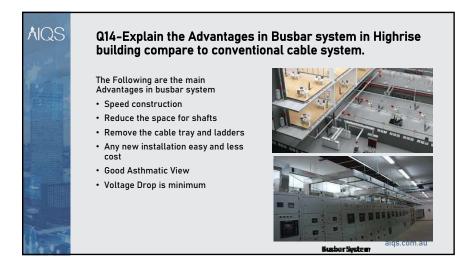
- Type of Soil, rock , made ground , Organic
- · Proportion of the sand clay and Silt
- · Water table,
- CBR California Bearing Ratio which indicates the load bearing capacity of the strata

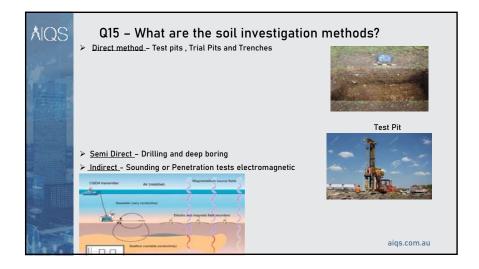


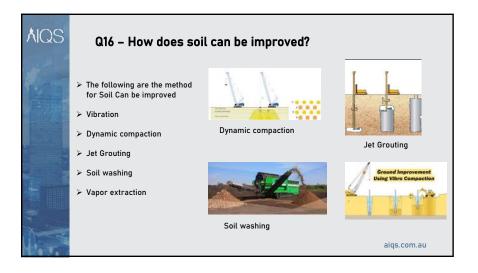


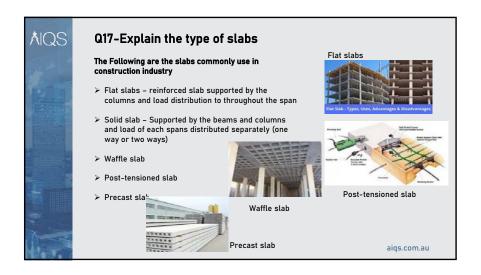
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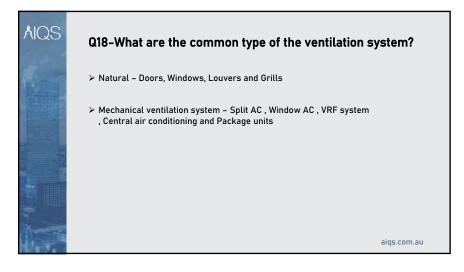


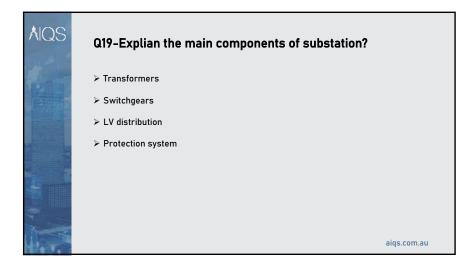


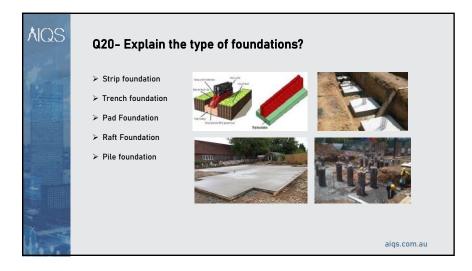


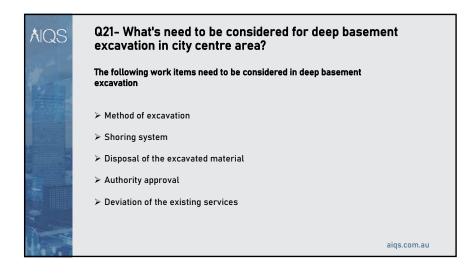














Q22-When advising difference materials what other factors than cost need to be considered?

> It depend on the material , however commonly included strength , Quality , suitability , Aesthetics , Life Cycle including operation and Maintenance cost

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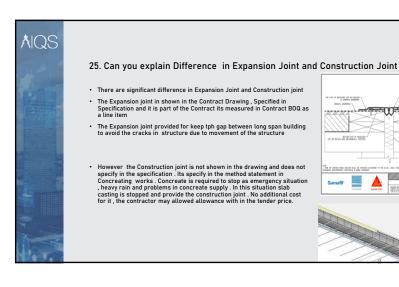
Q23-How do you apply the construction Technology Knowledge for preparation of the new rates? > If you have in depth knowledge in Construction Technology it will help to build up the accurate unit rat5e in first principal and help to; > Identify the scope of work > Changes in design > Understand the change in specification/ Scope > Method statement > Calculate the labor productivity > Sequency of the work and prepare the break down for the material and labour aiqs.com.au

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${\bf 24}.$ How do you differentiate the window wall system and Curtain wall system

- · There Key difference in both the system and following are key elements
- Window wall system support the floor to floor but Curtain wall system will be supported by the external structure
- · Curtain wall system is strong, but window wall system is weaker
- · Window wall system is cost effective
- Window wall installation is easy and it can be done from inside the building but heavy machinery is required for install the curtain wall with a structure
- High Possibility to water penetrating through window wall system because gap between slab and window wall
- · Maintenance cost is high in curtain wall system
- Curtain wall system has good Asthmatic and Architectural view to building

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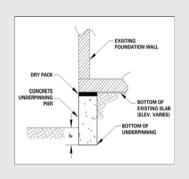




/ DN SM A TROOP

26. What do you understanding about underpinning

- Underpinning is strengthening and reinforcing an existing foundation of a structure, typically by extending the depth and breadth of the foundation.
- · Why it is required
- The original foundation isn't strong/stable enough to support the existing structure
- The initial use of the structure has changed, requiring foundational reinforcement
- The soil is not competent to withstand the weight of the structure
- Another story is being added to the structure, requiring deeper foundational footings to help support greater loadbearing capacity
- It is cheaper to repair/reinforce than buy new
- Seismic activity, drought, flood, or other acts of God have compromised the structure's structural security



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Thank you for your valuable contribution and We wish you a very successful APC session AIQS VAE Team

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