



# Qatar District Cooling Company 'Qatar Cool'



قطر كool  
QATAR COOL



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QATAR COOL

One of the largest District Cooling  
providers in the World

Since 2003





Plant Three  
Operational 2018  
35,00TR & 25,000TR-hr  
Chiller - 14



Plant One  
Operational 2006  
25,000TR & 25,000TR-hr  
Chiller - 10



Plant Two  
Operational 2009  
32,500TR & 20,000TR-hr  
Chiller - 13

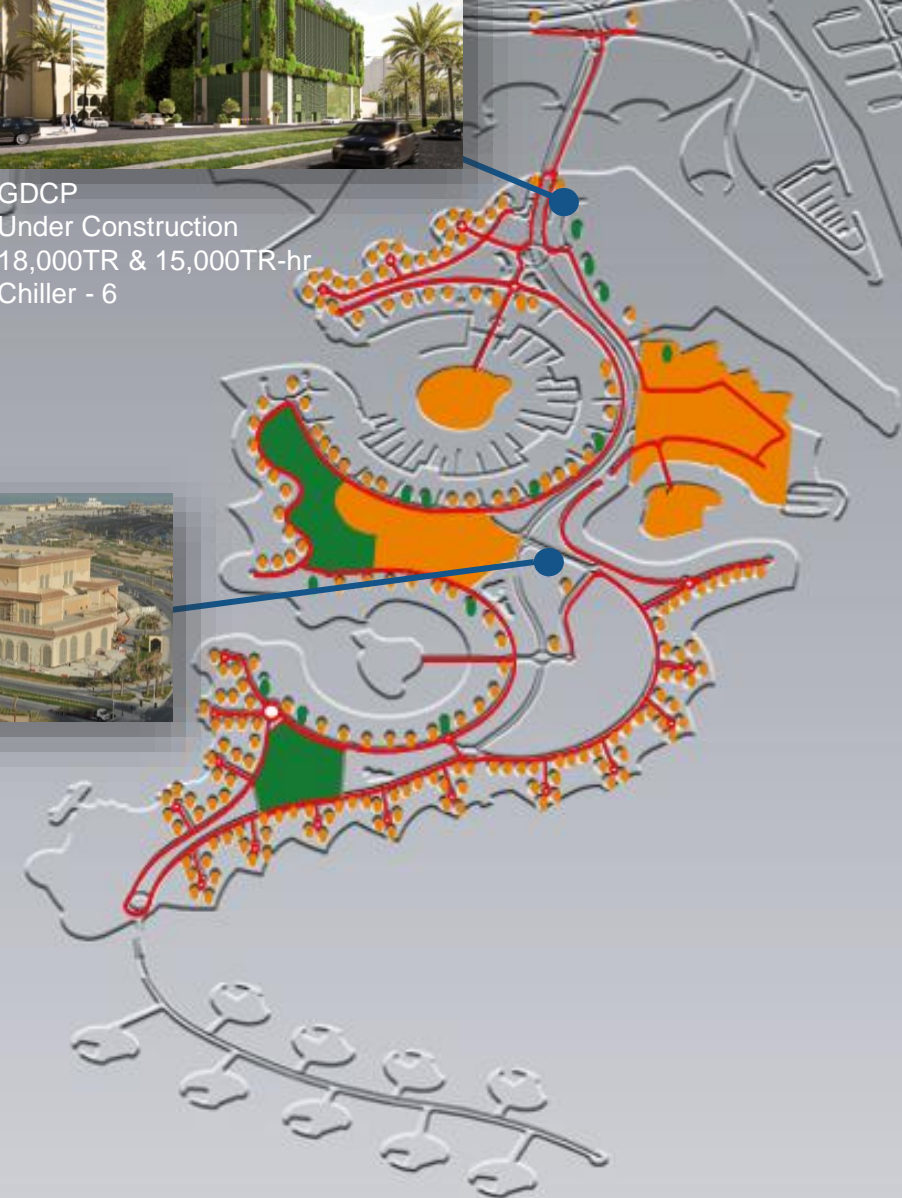


GDCP  
Under Construction  
18,000TR & 15,000TR-hr  
Chiller - 6

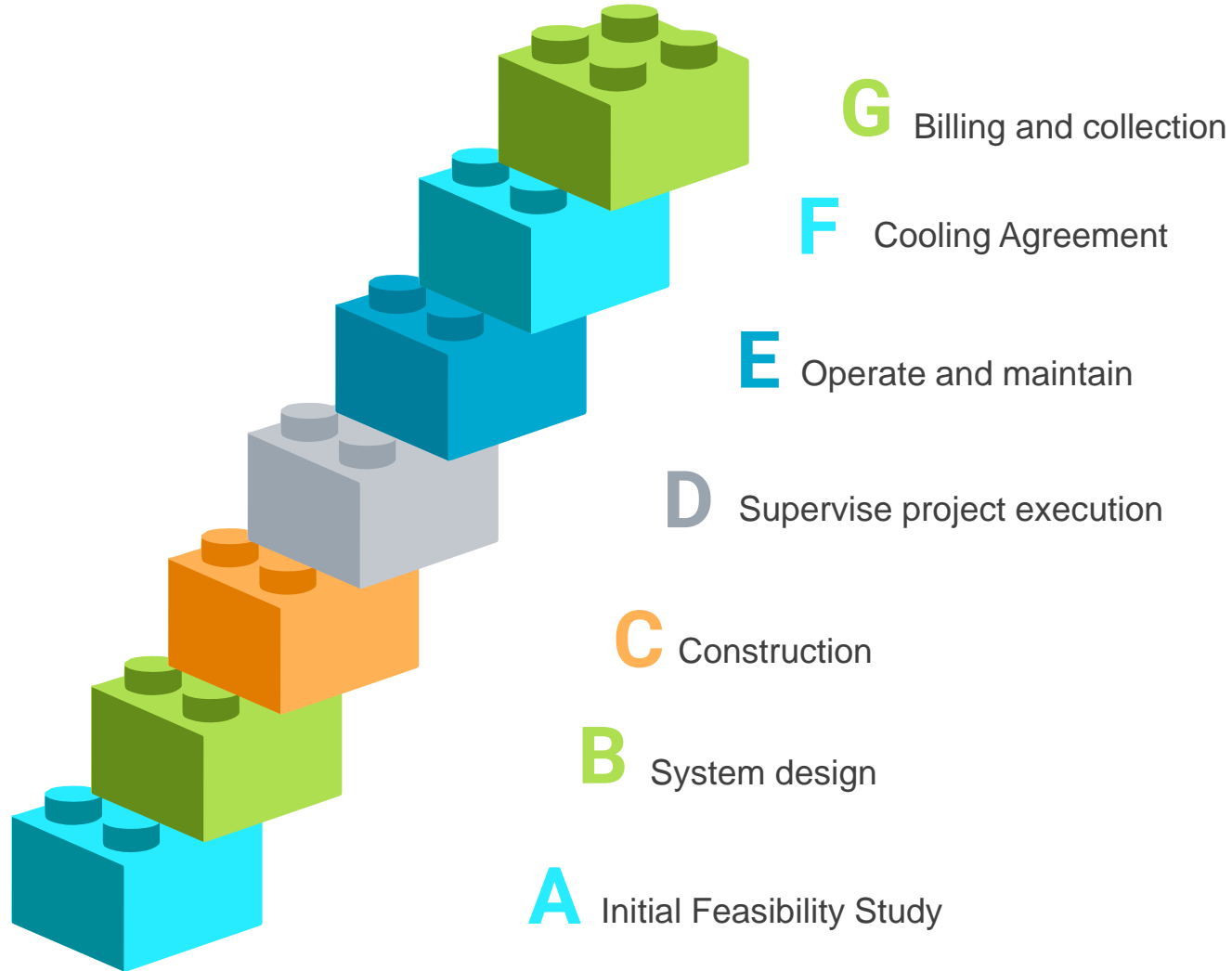


IDCP  
Operational 2010  
130,000TR  
Chiller - 52

- Pipe distribution Network
- Operational
- Non-Operational



# End to End Solutions



# Key Considerations – Design Phase



## Location

Weather, Noise, Aesthetics

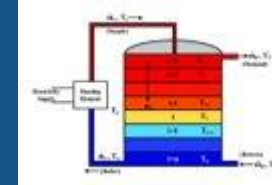


## Redundancy

Mechanical, Electrical & Control



## Future Provisions



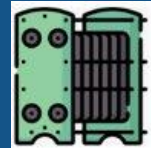
## Thermal Energy Storage



## Concurrently Maintainable



## Pipe Distribution Network



## Energy Transfer Station



## Value Chamber



## Low Dt



## Building HVAC

# Key Considerations – Construction Phase



**Procurement**



**Utility Coordination**



**Access and Maintainability**



**Testing and  
Commissioning**

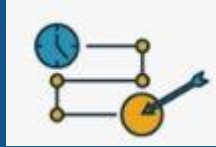


**Health and Safety**

# Key Considerations – Operations Phase



Reliability and Integrity,  
KPI



Plant/Chiller operations



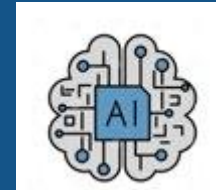
Managing Low Dt



Fouling, Corrosion &  
Chemical Treatment



Water Management



Optimization using AI

# Questions?



# Thank You