Integrated Building Services Synergies and Communication
Integrated Building Services Synergies and Communication Panel Discussion

- Insight on the different points of view of the challenges that contractors, designers, facility managers and ultimately owners and the occupants are facing.

- Stakeholders’ communication and share some real-life examples where miscommunication led to over design.

- Will touch base on how costing, architectural constraints and typical details lead to tremendous construction, design and facility management challenges. Esthetics driven by architects and their impacts on facility management will be evaluated.

- Importance of adequate time for the front end engineering that would allow the contractors to build more efficient buildings without contractual disputes and allow owners, operators and the occupants to enjoy the buildings they spend most of their time in while saving tremendous operational and maintenance costs.
• **Hani Awni Al Hawamdeh** is the Chief Technical Officer at Arab Engineering Bureau and brings 29 years of diverse work experience in Architectural, Structural and Electro-Mechanical projects.

• Hani holds a number of industry relevant certifications such as USGBC LEED accreditation, GSAS certification, PMP and is a member of PMI institute USA, and ASHRAE Oryx Chapter in Qatar, being the former president of the latter and Vice chair of the current advisory committee.

• Hani holds BSc in Mechanical Engineering from Mu’tah University in Jordan and MBA in Finance from University of Leicester in UK.
Matthew Peachman is a Senior Mechanical Engineer and Principal with CBCL Limited in Saint John, New Brunswick Canada. He is the group lead for the CBCL Building Engineering Group in New Brunswick which includes operations of 3 offices.

He is a member of the New Brunswick and Prince Edward Island Chapter of ASHRAE in Region 2 and sits on the Board of Governors for his local chapter.

He is a licensed Professional Engineer and a LEED AP.

His portfolio includes but not limited to the LEED Platinum and LEED Gold projects across Canada, where he took the lead design role.
Presenters

• **Seenu Pillai** is a Graduate Mechanical Engineer from M.S. University of Baroda, Gujarat, with 29 years of working experience in the Building Construction Industry.
• 25 years in the Gulf with the last 15 years in Qatar. He is a Senior Mechanical Engineer with ASTAD and holds a position of a Stakeholder Manager.
• He is an Accredited Green Building Professional and has a passion towards sustainability. He has held various technical workshops and seminars on Green building Practices in Qatar and UAE.
• He is serving on the ASHRAE BOG since the establishment of Qatar Oryx Chapter as a General Secretary and CTTC Chair.
• He is an Honorary Secretary & Chairman for the Executive Committee of The Institution of Engineers (India) – Qatar Chapter. He currently serves as the Honorary Advisor to the Executive Committee of the Chapter
Presenters

- **Daniel Sverdlov** is a licensed Professional Engineer in Canada, Certified in Plumbing Engineering, Certified in Green Plumbing Design from ASPE, LEED AP, LEED AP BD+C and a Certified Project Management Associate with IPMA.
- He is a founding member of the ASHRAE Qatar Oryx Chapter and sits on the BOG.
- He is a member of the ASPE Education Committee and working towards opening Qatar ASPE Chapter
- His portfolio includes but not limited to the LEED Platinum, LEED Gold and GSAS projects across Canada and Qatar, where he held an Associate, Lead Design and Project Management roles.
- He holds a position of a Senior Mechanical Engineer representing a client in a Landmark Development in Qatar.

Daniel Sverdlov
P.Eng, CPD, GPD, LEED AP, LEED AP BD+C, CPMA
What are the main challenges that the contractors, designers, facility managers and occupants face based on personal experiences of the projects delivered over the years.
Examples where miscommunication among stakeholders led to overdesign, operational challenges, health hazards, cost escalation or any other matters.
Miscommunication
Operational Challenges & HSE
Architectural Constraints

How rule of thumb cost estimates, architectural constraints, typical details led to construction, design and facility management challenges.

Main reasons that some projects have hundreds or sometimes thousands of RFIs.
Proposed Design
Actual Installation
Installation vs Facility Management

4th HVAC Contracting Conference “Bridging the Gap Between Design, Construction and Facility Management”
BIM Factor

Does BIM add complexity to the projects or it actually helps to deliver better coordinated projects?

Do projects delivered by utilizing BIM reduce a number of RFIs and cost escalation compare to the conventionally designed projects?

Examples where BIM contributed to the resolution of the Facility Management and Operational issues.
Conclusions

The best ways to address communication among the stakeholders and how to deliver projects with minimum or no disputes to the satisfaction of the owners, facility managers, end users and occupants.
QUESTIONS?

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