

NEWSLETTER

Your Semiannual Connection to Innovation and Expertise

January 01, 2024



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Detailed Report on Exhibition, Conference & Other Side-Events

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ADVANCING SUSTAINABLE SOLUTIONS

HIGHLIGHTS FROM THE 3RD EDITION OF HVACR TRENDS EXHIBITION & CONFERENCE

Focused on Sustainability in the Critical Sectors
Pharma, Hospitals, and Clean Rooms

Welcome to the ASHRAE Pakistan Chapter's newsletter, spotlighting the 3rd Edition of the HVACR Trends Exhibition & Conference held in Karachi on December 9-10, 2023. This year's theme, "Sustainability in Critical Sectors - Pharma, Hospitals, and Clean Rooms," took center stage.

In this edition, dive into a concise executive summary offering a snapshot of the event's discussions, innovations, and collaborative efforts. From thought-provoking keynotes to industry-leading exhibitors, explore the highlights that shaped this year's conference. Join us in embracing sustainability and charting a greener, more resilient future for the HVACR industry.

Welcome to a world of innovation and collaboration as we recap the 3rd Edition of HVACR Trends Exhibition & Conference, celebrating strides toward a more sustainable industry.

WELCOME TO THE ASHRAE PAKISTAN CHAPTER NEWSLETTER



PRESIDENT'S MESSAGE

Dear ASHRAE Enthusiasts,

I am pleased to welcome you to the latest edition of the ASHRAE Pakistan Chapter Newsletter, providing a glimpse into our dynamic community and the notable strides we've made in the HVACR industry.

In this edition, you can explore the success stories of our recent 3rd HVACR Trends Exhibition & Conference, where industry experts gathered to share the latest trends, innovations, and insights. We also highlight our collaborative efforts, from active participation in regional planning meetings to joint conferences with esteemed partners like the IEP, PSPP, NED University and others.

Additionally, we share moments of camaraderie through event recaps, such as the new office inauguration and the delightful picnic, showcasing the connections and engagement within our membership. Our educational initiatives, including Distinguished Lecturer Programs and Research Promotion and Leadership Programs, are featured, illustrating our commitment to continuous learning and member development.

At ASHRAE, our unwavering commitment to advancing the HVACR industry is evident in our events, collaborations, and educational endeavors. This newsletter reflects the tangible results of this commitment and serves as an invitation for you to be an active part of our journey.

Your engagement, feedback, and participation are the driving forces behind our success, and we look forward to your continued involvement. Thank you for being a valuable member of the ASHRAE Pakistan Chapter community.

Let's continue to build a sustainable and innovative future together.

Warm regards,

Muhammad Omer Khan
President, ASHRAE Pakistan Chapter

Board of Governors

2023-2024



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IMMEDIATE PAST PRESIDENT



SPECIAL REPORT

HVACR TRENDS

EXPO - TECH TALK - FORUMS



9-10 December 2023
Karachi



MESSAGE OF THE CHIEF GUEST

H.E. CEMAL SANGU
Consul General of Türkiye in Karachi

It is truly an honor to be present at the inauguration ceremony of the 3rd HVACR Trends Exhibition and Conference on Sustainability.

I appreciate ASHRAE Pakistan Chapter for orchestrating a highly successful HVACR Trends Expo, spotlighting Sustainability in Critical Sectors.

In a world where the impact of climate change is becoming increasingly evident, the role in the HVACR industry is crucial.

This event marks a significant milestone in our ongoing commitment to advancing critical sectors of the industry, as mentioned on conference topics in Pharma, Hospitals, and Clean Rooms.

The event has provided a productive and enlightening experience at the HVACR Trends Exhibition and Conference on Sustainability.

Let us not forget that our actions will shape the future of these critical sectors. By fostering sustainability in HVACR trends, we are not only ensuring the success of the industries but also contributing to a healthier, more resilient world.

I would like to emphasize that these events serve as catalysts, creating a platform to explore and capitalize on the abundant opportunities for mutual growth and innovation between our two brotherly nations.

Such events have also the pivotal role of fostering collaboration between Türkiye and Pakistan.

There is great potential for increased trade, technology transfer, and joint ventures in the HVACR sector.

Together, let us pave the way for a greener and more sustainable future.

Cemal Sangu
Consul General of Türkiye in Karachi



THANK YOU MESSAGE

Mr. Muhammad Abbas Sajid
Chair, Organizing Committee HVACR Trends



I extend my heartfelt gratitude to each of you for contributing to the resounding success of the 3rd HVACR Trends Exhibition & Conference held on 9-10 December 2023 at Karachi, organized by ASHRAE Pakistan Chapter.

A special note of appreciation goes to our sponsors for their generous support. Your commitment to advancing the HVACR industry is commendable, and we are grateful for your partnership.

To the exhibitors, thank you for showcasing the latest trends and technologies through your booths. Your presence provided visitors with invaluable insights and opportunities to stay abreast of industry developments. Heartfelt thanks to our visitors for attending the event and contributing to the vibrant atmosphere. Your curiosity and engagement are integral to the success of such gatherings.

I express my sincere gratitude to our esteemed speakers, distinguished and regional lecturers for their outstanding research, technical papers, and presentations. Your expertise and dedication significantly enhanced the quality of the conference.

A special acknowledgment goes to our panelists who delved into important issues and proposed innovative solutions. Your discussions added depth and perspective to the event.

I want to recognize and applaud the entire organizing team for their tireless efforts, working day and night to ensure the seamless execution of the 3rd edition. Your commitment and passion have truly made this event a great success.

Last but not least, a big thank you to our dedicated volunteers. Your selfless contributions and hard work behind the scenes did not go unnoticed.

Together, we have achieved a milestone in fostering collaboration, sharing knowledge, and advancing the HVACR industry. I look forward to our continued partnership and success in future endeavors.

With sincere appreciation,

Mr. Muhammad Abbas Sajid
Chair, Organizing Committee HVACR Trends

THANK YOU MESSAGE

Ibad Hasan, Secretary (2023-2024)
ASHRAE Pakistan Chapter



Assalamo Alaikum,

On behalf of ASHRAE Pakistan Chapter, our Board of Governors (BOG), and Chapter Committees, I would like to extend our heartfelt gratitude to our valuable exhibitors, sponsors, participants, speakers, seniors (who always provide their valuable guidance), and honorable guests who spared time from their busy schedules to participate in the HVACR Trends 2023 Expo and Conference, gracing the occasion.

You mean a lot, and your kind moral support is all we needed, encouraging us to achieve new heights every time. Special thanks to Mr. Abbas Sajid, Mr. Farooq Mehboob, Mr. Muhammad Omer Khan, Mr. Tanveerul Hassan, Ms. Adeeba Mehboob, Mr. Muhammad Asif, the event manager with the team, and other team members and fellows who made this event possible with their 24/7 support and efforts.

Your feedback, comments, and suggestions are very precious to us and are the key to success for continuous improvement in our upcoming events and programs.

Warm regards,

Ibad Hasan
Secretary (2023-2024)
ASHRAE Pakistan Chapter

3RD HVACR TRENDS EXHIBITION & CONFERENCE

Sets Industry Benchmark

AT KARACHI MARRIOTT HOTEL



Event Recap

The 3rd HVACR Trends Exhibition & Conference unfolded on December 9-10, 2023, marking a remarkable achievement in both planning and execution. Organized by the ASHRAE Pakistan Chapter and seamlessly brought to life by BRG Events, this event exceeded expectations. It not only brought together key industry figures but also provided an exceptional platform to address and deliberate on the most challenging issues in the HVACR sector. The success of this gathering underscores its importance in advancing industry dialogue and showcasing notable developments in the HVACR landscape.



The Theme

This year's theme, "**Sustainability in Critical Sectors of the Industry: Pharma-Hospitals-Cleanrooms**", set the stage for groundbreaking discussions and presentations. The event not only delved into the challenges faced by these critical sectors but also showcased innovative solutions through tech-talks, panel discussions, and product displays.

Attendee Participation

The event attracted a diverse audience, including Engineers, Technicians, Consultants, Contractors, Suppliers, Building Facilitation Managers, MEP professionals, CEOs, and other high-level staff from Pharma, Hospitals, and Cleanroom sectors. Their active participation contributed to the vibrant atmosphere, fostering networking and knowledge exchange.

3RD HVACR TRENDS EXHIBITION & CONFERENCE

Conference Highlights



Mr. Farooq Mehboob (Past President ASHRAE), Mr. Omer Khan (President ASHRAE Pakistan Chapter), Mr. Muhammad Abbas Sajid, Chair Managing Committee and the organizing team welcoming the Chief Guest HE Mr. Cemal Sangu the Consul General of Türkiye

Inaugural Session

The conference segment of the 3rd HVACR Trends Exhibition emerged as the intellectual nucleus, bringing together a distinguished array of speakers, experts, and thought leaders. Covering an expansive spectrum of topics crucial to the HVACR industry, the sessions delved into sustainable solutions for critical sectors, including Pharma, Hospitals, and Cleanrooms.

Notably, the insights shared by ASHRAE distinguished and regional lecturers added a scholarly depth to the discourse, while the inaugural address by H.E. Mr. Cemal Sangu, the Consul General of Turkey in Karachi, resonated with global significance. The collective wisdom imparted by Mr. Farooq Mehboob, Immediate Past President of ASHRAE, Mr. Omer Khan, President ASHRAE Pakistan Chapter (2022-23), and Mr. Muhammad Abbas Sajid, Chair Managing Committee of HVACR Trends, further elevated the conference, making it a pivotal platform for advancing industry knowledge and fostering collaborative solutions to the challenges faced by the HVACR community.

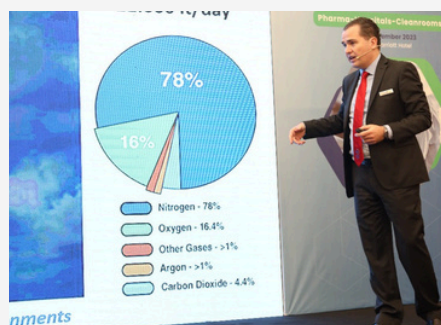
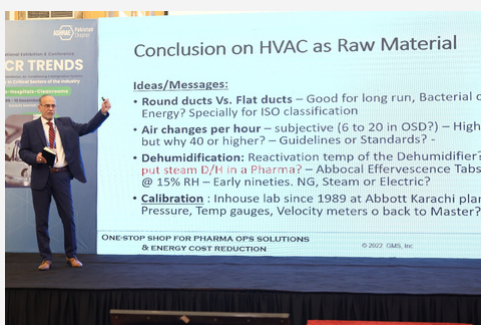
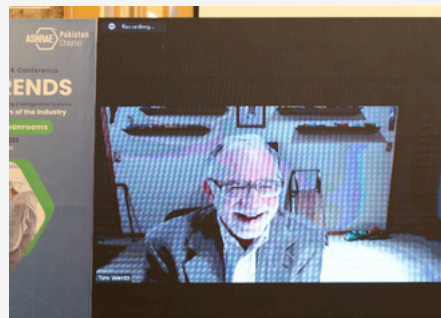


3RD HVACR TRENDS EXHIBITION & CONFERENCE

Conference Technical Sessions

Overview

Technical Sessions of 3rd HVACR Trends Conference presented comprehensive exploration of cutting-edge insights and expertise in the realm of HVACR systems, cleanroom design, and sustainable solutions. Our distinguished lineup of industry leaders brought forth a diverse range of presentations that delved into the fundamentals, future projections, and specialized applications within the HVAC and cleanroom sectors. From the meticulous design principles for cleanrooms presented by Wei Sun, a distinguished ASHRAE Fellow, to Timothy G. Wentz's visionary outlook on the industry in 2030, this collection of talks spanned the critical intersections of technology, sustainability, and healthcare infrastructure. Ananta Ahmed, Luke Leung, Tuna Yesilirmark, Furqan Ayub, and Fahad Hassan shared their expertise on topics ranging from green building certifications for hospitals to the integration of silica gel dehumidification systems in cleanroom environments. Each presentation served as a gateway to knowledge, offering invaluable perspectives on navigating the challenges and opportunities that defined the event and the present and future of HVAC and cleanroom technologies.



3RD HVACR TRENDS EXHIBITION & CONFERENCE

Conference Technical Sessions

Key Presentations

Wei Sun, P.E. (ASHRAE Fellow, Distinguished Lecturer):

- Presentation: "[Cleanrooms and HVAC Systems Design Fundamentals.](#)"
- Focus: The fundamental principles and best practices in designing HVAC systems for cleanrooms, which are critical in industries like pharmaceuticals and electronics manufacturing.

Timothy G. Wentz, PE (ASHRAE Fellow, Presidential Member):

- Presentation: "[Back to the Future; Our Industry in 2030.](#)"
- Focus: The future trends, innovations, and challenges in the HVAC industry, providing insights into what can be expected in the coming years.

Ananta Ahmed (LEED Green Associate, Managing Director - 360 Total Solution Ltd, Bangladesh):

- Presentation: "[Green Building Certification for Hospitals.](#)"
- Focus: The importance of green building certification in the healthcare sector, with a specific focus on hospitals and their unique requirements for sustainability.

Luke Leung, P.E. (LEED Fellow, ASHRAE):

- Presentation: "[Healthy Built Environment - Pandemic and Beyond.](#)"
- Focus: The impact of the pandemic on the built environment and discussing strategies for creating healthier spaces going forward.

Tuna Yesilirmark (General Manager - Airprocontrol Industrial Air Conditioning Trade Inc.):

- Presentation: "[Silica Gel Dehumidification Systems for Cleanroom.](#)"
- Focus: Delving into the importance and application of silica gel dehumidification systems in maintaining controlled environments, especially in cleanrooms.

Furqan Ayub:

- Presentation: "[Sustainable Solutions for Healthcare - Case Study.](#)"
- Focus: Potentially presenting a case study highlighting sustainable solutions implemented in the healthcare sector, showcasing best practices and success stories.

Fahad Hassan, Director, YH Associates:

- Presentation: "[Effective HVAC System Design for Pharmaceuticals.](#)"
- Focus: The specific design considerations and best practices for HVAC systems in pharmaceutical facilities, where precise environmental control is crucial.



3RD HVACR TRENDS EXHIBITION & CONFERENCE

Exhibitor Showcases and Technologies

The Exhibition - Dynamic Hub for Innovation

The event witnessed active participation from over 35 industry-leading companies, each showcasing an array of cutting-edge HVACR products and technologies meticulously tailored to cater to the unique needs of the pharmaceutical, hospital, and cleanroom sectors. The exhibition floor transformed into a dynamic hub for innovation, providing a comprehensive landscape where attendees had the opportunity to immerse themselves in the latest advancements in the field. From state-of-the-art ventilation systems to precision-controlled environmental solutions, exhibitors offered an extensive display of products designed to elevate operational efficiency and environmental control across diverse industry applications.

The interactive nature of the exhibition encouraged meaningful engagement, fostering dialogue between industry professionals and technology experts. Attendees explored firsthand the innovative solutions that are shaping the future of HVACR, gaining valuable insights and establishing connections that are instrumental in driving progress within their respective sectors. The Exhibitor Showcases and Technologies segment emerged as a pivotal component of the event, reflecting the industry's commitment to staying at the forefront of technological advancements and fostering collaboration for a sustainable and efficient future.

BELOW IS THE LIST OF COMPANIES WHO ACTIVELY PARTICIPATED IN THIS EVENT

- AMCON GROUP OF COMPANIES
- BHARMAL TRADERS
- CAPTIVE AIRE
- COOLMAX INTERNATIONAL
- COSMIX ENGINEERING
- DURKEE HI-TECH MATERIAL (WUHAN) GROUP CO., LTD.
- FIBRE CRAFT
- GLOBAL TECHNOLOGIES
- GREAVES AIRCONDITIONING
- GREENTECH EC
- GUARD FILTERS
- HYBRID TECHNOLOGIES
- INGENIOUS ENGINEERING PRODUCTS
- KARACHI CHAMBER & COMMERCE INDUSTRY
- M.M. STEEL CORPORATION (PVT.) LTD.
- MECATECH PVT. LTD.
- MEGA ENGINEERS CO.
- NAJAM ASSOCIATES
- SAEED SONS
- SHABBIR BROTHERS
- SHAN INDUSTRIES
- SMART CLIMATE SOLUTIONS (CC GROUP)
- SMART WAVE
- THUMB INTERNATIONAL
- UNITED INSULATION
- WELKIN SOLUTIONS
- ZARA ENGINEERS



3RD HVACR TRENDS EXHIBITION & CONFERENCE

Glimpse from the Exhibition Floor



3RD HVACR TRENDS EXHIBITION & CONFERENCE

Ancillary Events Elevate Networking Experience

In tandem with the intellectual discourse and pivotal presentations of the 3rd HVACR Trends Exhibition & Conference, two mega side events added a distinct layer of networking and camaraderie, fostering connections among professionals from diverse sectors.

Networking Breakfast: Connecting Industries for Collective Growth

On the morning of 10th December 2023, the Networking Breakfast emerged as a resounding success, fulfilling its objective of bringing allied industries and sectors together. Attended by professionals and businessmen from the HVACR industry, esteemed members of the Institution of Engineers Pakistan, delegations from the Pakistan Engineering Council, Pakistan HVACR Society, Association of Consulting Engineers Pakistan (ACEP), Karachi Chamber of Commerce & Industry, Pakistan Society of Plumbing Professionals, and representatives from the Building & Construction Industry, Architects, MEP professionals, and C-Level staff from Pharma, Hospitals, and Cleanroom sectors, the event provided a thriving platform for cross-industry collaboration and knowledge exchange.



3RD HVACR TRENDS EXHIBITION & CONFERENCE

Ancillary Events Elevate Networking Experience

Welcome Dinner: A Night of Networking and Synergy

On the enchanting evening of December 9, 2023, the Welcome Dinner at Kolachi Karachi proved to be a memorable highlight, drawing together the eminent CEOs and Chairpersons of exhibiting companies, sponsors, and distinguished business dignitaries from across the city. Against the backdrop of the lively atmosphere at Kolachi, this event unfolded as more than just a culinary experience—it was a catalyst for forging meaningful connections and fostering valuable networking opportunities.

The gathering not only celebrated shared goals and achievements within the HVACR

industry but also exemplified the power of collaborative networking in enriching professional relationships. In the ambient setting of Kolachi, under the starlit sky, attendees engaged in discussions that transcended the traditional boundaries of business, setting the stage for future collaborations and synergies. The Welcome Dinner served as a testament to the transformative potential of such gatherings, enhancing the overall experience of the 3rd HVACR Trends Exhibition & Conference by creating an environment where partnerships flourished and the spirit of innovation thrived.



3RD HVACR TRENDS EXHIBITION & CONFERENCE

Ancillary Events Elevate Networking Experience

Welcome Dinner: Glimpse of the Dinner Party



3RD HVACR TRENDS EXHIBITION & CONFERENCE

Feedback from Participants

The overwhelmingly positive feedback received from participants highlights the event's impact on the HVACR community. Professionals from various sectors appreciated the in-depth discussions, valuable insights from speakers, and the opportunity to explore emerging technologies in the exhibition.



**SRI CHAIR (2023 - 2024)
MR. ADE AWUJOLA**

The 3rd International Exhibition & Conference, HVACR Trends organized by ASHRAE Pakistan Chapter was a carefully planned and excellently executed expo that I have attended in recent times. The conference reflected the tenacity and sincerity of the organizers at resolving the critical industry challenges as it affect Pakistan, and how resolving those identified challenges can help to leapfrog the manufacturing sector, particularly the HVACR of Pakistan to producing for international markets for global competitiveness. Hence, the conference echoes localization, indigenization and globalization.

Besides, the conference attracted resourceful speakers, who in my opinion were frank and sincere in their delivery of the subject matter.

They are professionals that one will look forward to meeting at all HVACR conferences

The event was greeted by enthusiastic and passionate audience of well over 220 active participants listening to world-class delivery of Luke Leung, Tim Wentz, Ananta Ahmed and other indigenous experts of the subject matters.

The expo hall was a reflection of beautiful engineering thoughts; efficient and effective use of space for free flow of movement with ease of accessing all the exhibitors. Kudos to the organizers.

The event was crowned by an impeccable display of hospitality. Food and drinks were more than enough. Obviously, gifting is part of Pakistani's everyday culture. They never stop giving.



**TREASURER (2021 - 2024)
MR GHASSAN ISAM AL ALI**

It was my pleasure and honor to participate in the HVACR Trends 3 Expo & Conference in Karachi, organized by Ashrae Pakistan Chapter.

The event provided a remarkably informative experience, focusing on heating, ventilation, air conditioning, and refrigeration in the pharmaceutical and healthcare sectors. The sessions addressed unique challenges and innovations in maintaining precise environmental conditions in pharmaceutical facilities, hospitals, and clean rooms. Engaging with industry experts, attending targeted sessions, and exploring the exhibition offered valuable insights into cutting-edge technologies ensuring precise temperature and cleanliness standards.

The showcased solutions tailored for pharmaceutical manufacturing, hospitals, and clean rooms underscored the crucial role HVACR plays in preserving sensitive processes and ensuring patient well-being. This well-organized event provided an invaluable opportunity to connect with professionals, exchange experiences, and deepen understanding of the complex interplay between HVACR systems and healthcare.

I eagerly anticipate attending future editions, witnessing the ongoing evolution of the HVACR industry in Pakistan.



**LUKE LEUNG, P.E.
DIRECTOR, SKIDMORE, OWINGS & MERRILL**

Attending ASHRAE Pakistan Chapter's insightful HVACR Trends Expo was a rewarding experience! The theme on Sustainability in Critical Sectors highlighted the chapter's foresight. The exhibition at Karachi Marriott Hotel not only explored industry challenges but also presented innovative solutions from exhibitors.



**FAHIM IQBAL SIDDIQUI
CEO, PRINCIPAL MECHANICAL CONSULTANT-FND**

Kudos to ASHRAE Pakistan Chapter for a successful HVACR Trends Expo! The theme on Sustainability in Critical Sectors was timely, and the event standards were top-notch. The exhibition at Karachi Marriott Hotel was a showcase of industry-leading products and technologies.

3RD HVACR TRENDS EXHIBITION & CONFERENCE

Feedback from Participants



SYED MUSHARRAF ALI

ASHRAE Pakistan Chapter demonstrated exceptional leadership in orchestrating a highly successful HVACR Trends Expo, centering on the pivotal theme of Sustainability in Critical Sectors. The meticulous attention to event standards was evident, ensuring a seamless and enriching experience for all participants. The exhibition held at the prestigious Karachi Marriott Hotel served as a dynamic platform, seamlessly bringing together a diverse array of exhibitors. These industry innovators showcased cutting-edge solutions, contributing significantly to the Expo's overall success. The convergence of thought-provoking discussions, impeccable event organization, and groundbreaking exhibits underscored the chapter's commitment to advancing the HVACR industry.



ANANTA AHMED

Green Building Consultant in Bangladesh.

USGBC Faculty, LEED AP BD+C, EB O+M, ID+C, HOME, ND & MD 360 Total Solution Ltd.

Impressive conference by ASHRAE Pakistan Chapter! The theme of Sustainability in Critical Sectors was timely, and the HVACR Trends Expo was a great platform for exploring cutting-edge solutions. The hospitality in Karachi was outstanding, making the event a memorable experience. The diverse array of speakers and the interactive sessions further enriched our understanding of the latest developments in the HVACR industry. The collaborative atmosphere fostered meaningful connections and discussions, leaving a lasting impact on the participants. We look forward to future events that continue to push the boundaries of innovation and sustainability in this dynamic field.



FAROOQ MEHBOOB
IMMEDIATE PAST PRESIDENT
ASHRAE

ASHRAE Pakistan Chapter has raised the bar with the Sustainability-focused HVACR Trends Expo! This event united industry leaders addressing challenges in Critical Sectors at the prestigious Karachi Marriott Hotel. The exhibition served as a vital platform for exhibitors to showcase cutting-edge solutions, fostering meaningful interactions. The display of innovative products highlighted ASHRAE Pakistan Chapter's commitment to advancing the HVACR industry.

Moreover, seminars and workshops conducted by experts added depth to the conference, enriching the knowledge-sharing experience. The vibrant atmosphere of collaboration resonated throughout the event, fostering connections for the future sustainability of the HVACR sector. ASHRAE Pakistan Chapter's dedication to innovation and sustainability shines through in the success of this Expo, with positive ripple effects anticipated in the broader landscape of HVACR advancements.



MUBESHER AHMAD
CEO, WULAR ENGINEERS

ASHRAE Pakistan Chapter's 3rd HVACR Trends Expo in Karachi was a major success, focusing on sustainability in critical sectors. The event facilitated valuable networking, encouraging knowledge exchange and collaboration within the HVACR community. Insightful discussions emphasized the importance of sustainable practices, while innovative solutions from exhibitors added significant value. The expo's triumph reflects ASHRAE Pakistan Chapter's commitment to advancing innovation and responsible practices in the HVACR field. This success sets the stage for continued progress and solidifies ASHRAE Pakistan Chapter's role as a catalyst for positive change in Karachi's HVACR sector.

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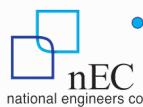
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**FARAZ
KHAN**

Chief Event Manager



NEW OFFICE INAUGURATION

8 December 2023

Karachi



Unveiling Tomorrow: ASHRAE Pakistan Chapter's Cutting-Edge Office Rises in DHA Karachi

8 DECEMBER 2023



ASHRAE Pakistan Chapter achieved another milestone on December 8, 2023, with the grand inauguration of its modern office located at Khybayan-e-Bukhari, DHA Karachi. The ceremony, graced by Mr. Farooq Mehboob, Immediate Past President of ASHRAE, marked a significant moment for the Chapter and its members.

Mr. Omer Khan, President of ASHRAE Pakistan Chapter, extended a warm invitation to all past presidents who served between 2003 and 2023. The event witnessed a gathering of distinguished individuals from the HVACR industry in Pakistan, including consultants, contractors, suppliers, engineers, and society members.

The initiative to establish the new office stems from ASHRAE's commitment to fulfilling the evolving needs of its members, encompassing training programs, educational initiatives, technical lectures, and various social activities. Funds for the project were raised through HVACR Trends exhibitions in 2021, post-COVID-19, and garnered sponsorship from renowned HVACR companies. Mega Engineers Co, Secure Vision, Greaves Air-conditioning (Pvt.) Ltd., Iceberg Industries, AMCON Group Of Companies, Fakhri Brothers, National Engineering Co., Nadeem Associates, and Shan Industries played pivotal roles in supporting the endeavor.



Unveiling Tomorrow: ASHRAE Pakistan Chapter's Cutting-Edge Office Rises in DHA Karachi

8 DECEMBER 2023



The office, a testament to engineering excellence in Pakistan, was designed by BAWA Design Studio, earning Ms. Khulod Hanif the prestigious Design Excellency Award. In recognition of their service, all past presidents received mementos to commemorate their tenures.

The newly inaugurated office boasts a fully equipped boardroom, a modern lecture hall, a serene cafe terrace, and a functional working office. The lecture hall is made available for use by engineering societies and educational institutions for training and program purposes.

This momentous occasion not only signifies the growth and development of ASHRAE Pakistan Chapter but also underscores the collaborative efforts of the HVACR industry in Pakistan towards advancing knowledge, education, and technical excellence.





OFFICE BEARER TRAINING PROGRAM

10 December 2023

Karachi



ASHRAE Pakistan Chapter and RAL Collaborated to Host Exclusive **Financial Risk Management Training**

By Ghassan Isam Al Ali
Treasurer ASHRAE Region-At-Large (RAL)
From ASHRAE Jordan Chapter

The collaborative efforts of ASHRAE Region-At-Large (RAL) and ASHRAE Pakistan Chapter culminated in a specialized Financial Risk Management Training held at Karachi Marriott on August 10, 2023. Notably, Mr. Ghassan Isam Al Ali, the Treasurer of ASHRAE RAL and a distinguished member of ASHRAE Jordan Chapter, took the initiative to travel to Karachi explicitly for delivering this crucial training program. The primary objective of the training was to equip ASHRAE Chapters in Pakistan with the necessary tools and knowledge to achieve their financial objectives while effectively managing risks. Mr. Al Ali's expertise aimed at standardizing procedures and practices, fostering a unified approach to financial management within ASHRAE RAL, and ensuring a harmonized implementation of risk management strategies across all participating chapters. This initiative stands as a testament to ASHRAE's commitment to excellence in financial governance and risk management practices.





ASHRAE RAL Sub-Region 1 Meeting

4-6 August 2023

Nathiagali - Pakistan

Co-hosts



ASHRAE RAL SR1 Planning Meeting

Sets New Milestones in Pakistan's HVAC&R Industry: Charting a Sustainable Path Forward



The ASHRAE Pakistan Chapter has emblazoned its name in history by successfully hosting the inaugural ASHRAE RAL SR1 Planning Meeting, a transformative event that unfolded against the breathtaking backdrop of Nathiagali, Pakistan, from August 4th to 6th, 2023. This momentous occasion marks an unparalleled achievement for Pakistan, as it proudly hosted the first-ever RAL Event organized by the ASHRAE on its soil.

The ASHRAE RAL SR1 Planning Meeting served as an annual focal point during which member chapters from the designated region convened in Pakistan to engage in comprehensive discussions and strategic planning for regional undertakings. Among the 20 participating chapters, notable representatives and substitutes from 15 chapters, alongside regional council representatives, ARC, RVCs, and ARVCs, actively participated in this dynamic assembly. Esteemed regional figures, including Dr. Ahmed Alaaeldin - Past DRC, Mr. Basel Anbari - RMCR (2021 - 2024), and Ms. Mehroo Eftekhari - DRC from ASHRAE Region XIV, were also invited to contribute their insights and leadership to the event.

The event started with warm greetings extended to delegates upon their arrival at Islamabad airport, followed by a visit to the iconic Faisal Mosque. A splendid welcome dinner, hosted by the ASHRAE Pakistan Chapter, unfolded against the backdrop of lush green mountains and featured live BBQ and traditional instrumental melodies.

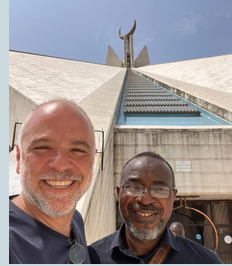
Commencing on August 5th, the program started with chapter delegate introductions, followed by approval of meeting minutes by Mr. Ade Awujoola, SRI Chair. A caucus orientation session was held by Mr. Abbas Sajid, Nominating Committee member at ASHRAE Society, transpired. Insights into regional membership expansion were shared by the Region vice Chair. Chapters presented their annual reports, and discussions encompassed various regional committee activities, including Standing Committee, GA Committee, RA Committee, YEA, Refrigeration, Historical, and Communication Committees. Strategic assessments of anticipated chapter challenges and successes enriched the proceedings.

The second day featured CRC Training, engaging participants in Chapter Motions Training and Simulation guided by RMCR Mr. Basel Anbari.

At the heart of this transformative event was the ASHRAE Pakistan Chapter, elevating its role as the principal host. Nestled within the captivating beauty of Nathiagali, this backdrop lent an awe-inspiring aura to the exchange of ideas and insights. The idyllic climate, picturesque valleys, and verdant forests of Nathiagali provided an ideal canvas for participants to engage in meaningful discussions while immersing themselves in Pakistan's natural splendor.

The ASHRAE RAL SR1 Planning Meeting epitomizes the ASHRAE Pakistan Chapter's unwavering commitment to fostering excellence, sustainability, and knowledge exchange within the HVAC&R domain. This extraordinary gathering not only celebrated Pakistan's role as a gracious host but also underscored the nation's escalating influence within the global HVAC&R community.

ASHRAE RAL SR1 Planning Meeting



Day-1 : Welcome in Islamabad



Day-1 : Welcome Dinner in Nathiagali



Nathiagali Sightseeing

ASHRAE RAL SR1 Planning Meeting



Day 2 -3 Meeting Proceedings



Farewell Dinner (Islamabad)



REACHING NEW HORIZONS



ASHRAE APC'S OUTREACH EXPANSION: REACHING NEW HORIZONS

ASHRAE Pakistan Chapter and ACEP Join Forces for Enhanced Collaboration in Advancing Engineering Excellence



The ASHRAE Pakistan Chapter and ACEP (Association of Consulting Engineers Pakistan) have forged a closer collaboration. This partnership marks a significant step forward, bringing together the expertise and resources of both organizations. By joining forces, ASHRAE and ACEP aim to enhance their collective impact on the HVAC&R industry, fostering innovation, knowledge exchange, and mutual growth. This collaboration reflects a shared commitment to advancing engineering excellence and addressing the evolving challenges within the built environment. Together, ASHRAE Pakistan Chapter and ACEP are poised to contribute to the continued development and sustainability of the engineering landscape in Pakistan.

ASHRAE Pakistan Initiates Strategic Partnership with Karachi Chamber of Commerce & Industry for Advancing HVACR and Building Construction in the Region

In a pivotal move, ASHRAE Pakistan recently engaged with the Executive body of the Karachi Chamber of Commerce & Industry (KCCI) to foster a robust alliance aimed at bolstering the HVACR and Building Construction sectors in the Karachi region. The meeting paved the way for a closer relationship, with both entities committed to collaborative efforts that will enhance industry standards, promote innovation, and drive economic growth. This strategic partnership signifies a shared vision to fortify the infrastructure and business landscape in Karachi, further establishing ASHRAE Pakistan as a key player in advancing the HVACR and construction industries.





DL & RRL PROGRAMS



ASHRAE DL & RRL PROGRAMS



ASHRAE Pakistan Chapter

International Conference on
Sustainability through ENERGY EFFICIENT Approaches

8-10, June 2023
Hall-3 Karachi Expo Centre

Focusing on Energy Efficient Approaches in HVACR System & Building Design, addressing the need for sustainable practices to reduce energy usage and minimize environmental impact.

REGISTER NOW!
Abdul Rafay Khan
0332 3076096
www.ashraepakistan.com

ASHRAE Pakistan Chapter

Ashrae Pakistan Chapter presents
RAL Regional Lecturer (RRL) Program

HVAC Design with Sustainability Perspective

Mr. Hesham Safwat

Dr. Hesham graduated with B.Sc. in Mechanical Engineering in 1994 from Higher Technological Institute -10th of Ramadan University. He worked at Miraco-Carrier-UTC as a BSS Technical manager (1996-2014), responsible for Chiller, air handling units, fan coil selection and pricing, where he gained his experience in HVAC industry.

Dr. Hesham, obtained his master of science 2009 from Cairo University in District cooling systems & then obtained the Ph.D. in Geothermal energy application in HVAC from Cairo University 2014.

He was an instructor for Miraco-Carrier company - Carrier Adel Barakat Training Centre from 2005-2014. Dr. Hesham has obtained certificates in HVAC design and energy modeling courses from Syracuse-NY Training Carrier USA (2005-2010), HAP LEED COURSE from Carrier University and Certificate of Attendance for High Performance Buildings ASHRAE 62.1, ASHRAE 90.1 from ASHRAE Educational Institute Chicago, 2012, and STDF program instructor for industry 2013.

3 January 2023
3:00 PM | Tuesday
Abdul Rafay : 0332 3076096

The Institution of Engineers, Pakistan (IEP)
4th floor, IEP Building, 177/2, Liaquat Barracks,
Opposite Regent Plaza Hotel, Shahrah-e-Faisal,
Karachi - 75300

ASHRAE Pakistan Chapter

ASHRAE **Distinguished Lecturer Program**

On the Topic
ETHICS and The Built Environment

By
DR. SAMIR TRABOULSI

ASHARE Fellow, CIBSE Fellow, NEBB Certified Professional, Instructor at ASHRAE Global Training Center Dubai, Past Director of ASHRAE Region At Large (RAL), Founder President of ASHRAE Lebanese Chapter, Co-Founder of Labanese Green Building Council.

04:30 PM
18th May 2023
4th floor, IEP Building, 177/2 Liaquat Barracks, Shahrah-e-Faisal, Karachi.
(Opposite Regent Plaza Hotel)

REGISTER NOW!
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Collaborating partner
The Institution of Engineers Pakistan
1948

ASHRAE Pakistan Chapter

ASHRAE **Distinguished Lecturer Program**

On the Topic
NET ZERO ENERGY BUILDING IN 2050 - ASHRAE AEDG

DR. SAMIR TRABOULSI

ASHARE Fellow, CIBSE Fellow, NEBB Certified Professional, Instructor at ASHRAE Global Training Center Dubai, Past Director of ASHRAE Region At Large (RAL), Founder President of ASHRAE Lebanese Chapter, Co-Founder of Labanese Green Building Council.

02:00 PM
17th May 2023

AV Hall - Civil Engineering Department
NED University of Engineering & Technology.

REGISTER NOW!
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0332 3076096
www.ashraepakistan.com

ASHRAE Pakistan Chapter

Brief on ASHRAE & Technical Presentation by RRL

ROLE OF COMPUTATIONAL FLUID DYNAMICS IN THE FIELD OF HVACR

CFD simulation provides engineers with a cost-effective and insightful tool to better understand all of these key applications while also providing authorities with suitable data to complete environmental impact statements and assess whether new designs meet regulatory guide lines.

DR. MUHAMMAD UZAIR

Dr. Uzair is currently working as Associate Professor at Department of Mechanical Engineering, NED University of Engineering and Technology. He is associated with ASHRAE Pakistan since 2008. Currently, he is serving as Member BOG, Treasurer and also Student Activity Chair at ASHRAE Pakistan Chapter. He is also ASHRAE Regional Lecturer at Region at Large. Dr Uzair is the recipient of life time Student Activity Achievement Award.

Organized by
Student activities, YEA & CTC
committee ASHRAE Pakistan Chapter

30 September 2023
02:00 pm - 03:30 pm

ASHRAE APC Office
2nd Floor, Plot No. 27-C, Lane No. 11, Phase-6, DHA Karachi
Cell: 345 3990210

ASHRAE Pakistan Chapter

ASHRAE **Regional Lecturer (RRL) Program**

Topic:
The Integrated Design Process with regard to Building MEP Services

by:
FARHAN A. MEHBOOB

Farhan A. Mehboob is the CEO of S. Mehboob & Company, a leading MEP consulting firm in Pakistan and the Middle East with over 40 years of experience. He holds degrees in Mechanical Engineering and Refrigeration and Air Conditioning. Farhan has completed over 900 projects, including high-rise buildings, airports, and green building projects. His firm is known for innovative and sustainable designs. He has actively contributed to the HVACR industry, served in leadership roles, and received awards. Farhan has also been instrumental in developing Pakistan's Building Energy Code and is involved in ASHRAE's international standards and planning committees.

11:30am - 01:00pm
11 November 2023
ASHRAE Pakistan Chapter (APC)
27-C, Lane No. 11, DHA-6 Karachi.

REGISTER NOW!
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0332 3076096
www.ashraepakistan.com

Redefining Professional Development Opportunities

ASHRAE DL & RRL PROGRAMS



ASHRAE Pakistan Chapter

RAL REGIONAL LECTURER (RRL) PROGRAM

DEDICATED OUTDOOR AIR SYSTEMS

04:00 pm
17th May 2024



Fahim I Siddiqui
CEO & Founder, RLD Consulting Engineers
Graduate of NED University (1974)
Past President ASHRAE Pakistan Chapter

Join us for an enlightening lecture on **Dedicated Outdoor Air Systems (DOAS)** by the esteemed **Engr. Fahim I Siddiqui**. Discover how DOAS revolutionizes HVAC strategies, enhances indoor air quality, and optimizes energy efficiency.

Why Attend?

- Technology insights**
Gain insights into cutting-edge HVAC technologies.
- Networking**
Network with industry professionals and enthusiasts.
- Knowledge elevation**
Elevate your understanding of air conditioning systems.

Who should attend

- HVAC Engineers
- Architects
- Building Owners & Managers
- Environmental Consultants
- Students & Educators

Target Sectors & Industries

- Healthcare Sector
- Hospitality Industry
- Data Centers
- Retail Spaces
- Manufacturing Facilities
- Financial Institutions
- Office Buildings

Registration
LIMITED SEATS AVAILABLE. RESERVE YOURS NOW BY CONTACTING

Omair Khan (President) 0334 2132703
Ibad Hasan (General Secretary) 0321 8241652
Asif Khan (Chair, CTC) 0345 3990210

Location:
ASHRAE Pakistan Chapter
Address: Plot No. 27-C, Lane No. 11, Phase-6, Main Bakhari Commercial, DHA Karachi
Coordinates: 24.9201727000000000, 67.0200000000000000


www.ashraepakistan.com | info@ashraepakistan.com

ASHRAE Pakistan Chapter

Expert's Talk

TOPIC
UTILIZING 30% FREE COOLING TERMODECK FOR ENHANCED ENERGY EFFICIENCY

Presentation by



YOUSUF HASAN
CEO YH Associates
Past President ASHRAE Pakistan Chapter

Termodeck is an energy-efficient environmental control solution that utilizes a building's thermal mass to provide balanced ventilation with passive heating or cooling.

KEY HIGHLIGHTS:

- What is Free Cooling?**
Learn about the innovative 30% Free Cooling Termodeck and its impact on energy consumption.
- Energy Efficiency Strategies:**
Explore practical applications and strategies to optimize your HVAC systems for maximum efficiency.
- Real-World Success Stories:**
Hear case studies and results from successful implementations of Free Cooling solutions.

Q&A Session:
Engage with the expert and get your questions answered on how to implement these solutions in your projects.

04:00 pm
26 JULY, 2024

ASHRAE Pakistan Chapter
Registration Hall
Plot No. 27-C, Lane No. 11, Phase-6, DHA Karachi


REGISTER NOW

Mahmood Ahmad (President) 0321 8241652 | Ibad Hasan (Vice President) 0321 8241652 | Muhammad Asif Khan (Chair CTC) 0345 3990210 | Faraz Khan (Com. & Operations Chair) 0345 3990210

ASHRAE Pakistan Chapter

RAL Regional Lecturer (RRL) Program

Prospects of Renewable Energy in Cooling Systems



Dr. Muhammad Uzair
Associate Professor, NED University of Engineering & Technology
PhD and specialized in Renewable Energy, Sustainable Engineering.

Explore the future of renewable energy in the cooling industry! Gain insights from industry expert **Dr. Muhammad Uzair**, discover innovative technologies, and learn about sustainable solutions for a greener tomorrow.

Benefits

- Innovative Solutions**
Learn about the latest advancements in cooling systems powered by renewable energy.
- Collaboration Opportunities**
Explore potential partnerships with industry experts and professionals, expanding your professional network and fostering collaborations in the field of renewable energy and cooling systems.
- Networking**
Connect with industry experts and professionals, expanding your professional network and fostering collaborations in the field of renewable energy and cooling systems.
- Sustainability**
Understand the environmental and economic benefits of integrating renewable energy into cooling solutions.

Target Sectors

- HVAC and Refrigeration
- Renewable Energy
- Manufacturing
- Construction and Building Services
- Environmental and Sustainability
- Energy Management

Who should attend

- Engineers and Technicians
- Energy and Sustainability Professionals
- Facility Managers
- HVAC and Cooling System Experts
- Researchers and Academicians
- Building Owners & Managers
- Environmental Consultants
- Students and Enthusiasts in Renewable Energy

Registration
Omair Khan (President) 0334 2132703
Ibad Hasan (General Secretary) 0321 8241652
Asif Khan (Chair, CTC) 0345 3990210

04:00 PM
31 May 2024
FRIDAY

Location:
ASHRAE Pakistan Chapter (Lecture Hall)
Plot No. 27-C, Lane No. 11, Phase-6, Main Bakhari Commercial, DHA Karachi



by Mr. Yousuf Hasan
26-07-2024
ASHRAE PAKISTAN CHAPTER

Redefining Professional Development Opportunities

Members' family picnic

ORMARA

29-30 May 2023



CRICKET MANIA

14-15 FEB 2024
Eidgah Cricket Ground Nazimabad

16 TEAMS 31 MATCHES

- SEASONMASTER ENGINEERING PVT. LTD.
- GREAVES AIR-CONDITIONING (PVT) LTD.
- ECHELON INDUSTRIES
- ENGINEERING SERVICES
- DWP TECHNOLOGIES PVT. LTD.
- TECHNOPOWER ENGINEERING COMPANY.
- A.K ENGINEERING
- HYBRID BUILDING SOLUTIONS (PVT) LTD.
- FAKHRI GROUP OF COMPANIES
- SEM ENGINEERS
- ELECTROMECH INDUSTRIES
- AMCON
- SMART CLIMATE SOLUTIONS
- G&A CORPORATION
- PIONEER ENGINEERS
- KAAF ENGINEERS

PRESS RELEASE

Thursday, 01 August 2024

ASHRAE Pakistan Chapter Participates in ASHRAE Region At Large (RAL) Planning Meeting in Cairo, Egypt

Karachi, August 1, 2024 – The ASHRAE Pakistan Chapter proudly participated in the ASHRAE Region At Large (RAL) Planning Meeting and Chapters' President Training, held from October 26-28, 2024, in Cairo, Egypt. This significant event, co-hosted by ASHRAE Pyramids, Cairo, and Alexandria Chapters, brought together representatives from 20 chapters across the Middle East, Africa, Pakistan, and Turkey.

The comprehensive agenda included:

- Planning RAL year's activities
- Setting goals and developing a regional MBO plan
- Training of Chapter Presidents on Chapter Operations, Nominating process, honors and awards
- Experiencing Cairo's rich culture through curated social events



Participants left the event inspired and motivated, looking forward to reconvening at the ASHRAE RAL CRC 2024, set to be held in Karachi from October 4-7, 2024.



INDUSTRIAL TOURS



ASHREA Pakistan BOG & Guests' Visit of Shan Industries



INSIGHTS INTO INDUSTRIAL PROCESSES, OPERATIONS, AND TECHNOLOGIES.



ASHRAE Pakistan Chapter, in collaboration with Mr. Ananta Ahmed, Principal LEED Consultant from Bangladesh, recently conducted a visit to the manufacturing site of Shan Industries. Renowned for its made-in-Pakistan HVACR products, Shan Industries boasts a state-of-the-art manufacturing facility. The tour provided valuable insights into the industrial processes, operations, and cutting-edge technologies employed by Shan Industries. Additionally, it offered a firsthand understanding of the quality and standards maintained in the production of HVACR products. This visit proved instrumental in enhancing knowledge and fostering a deeper appreciation for the industry practices employed by Shan Industries.



ASHREA Pakistan BOG & Guests' Visit of NA Group (SWI Piping System)



INSIGHTS INTO INDUSTRIAL PROCESSES, OPERATIONS, AND TECHNOLOGIES.



In an exciting collaboration aimed at fostering knowledge exchange and industry partnerships, the ASHRAE Pakistan Chapter Board of Governors (BOG) recently embarked on a visit to the NA Group (SWI Piping System) Factory. The distinguished guests, including Mr. Ananta Ahmed, a renowned LEED Consultant from Bangladesh, gathered to explore innovative developments in the field of Plumbing. The visit provided a unique opportunity for professionals to engage in meaningful discussions, share insights, and witness firsthand the cutting-edge technologies employed by NA Group. As the ASHRAE Pakistan Chapter continues to champion excellence in the industry, such collaborative initiatives underscore the commitment to advancing sustainable practices and fostering a community of experts dedicated to shaping the future of the built environment.



STUDENT BRANCH ACTIVITIES



NED University
Student Branch





ASHRAE NED Student Branch Presents RAL Regional Lecture
(RRL) Program



Dr. HESHAM SAFWAT

HVAC Consultant specialist &
Air compressor systems at BUE
ASHRAE Cairo Chapter President

HVAC DESIGN ON PSYCHROMETRIC CHART

Dr. Hesham graduated with B.Sc. in Mechanical Engg in 1994. He obtained his master of science (2009) from Cairo University in District cooling systems & then obtained the Ph.D. in Geothermal energy application in HVAC from Cairo University (2014) He worked at Miraco-Carrier-UTC as a BSS Technical manager (1996-14), responsible for Chiller, air handling units, fan coil selection and pricing, where he gained his experience in HVAC industry.

Monday, 2nd January
02:00 pm, Mechanical AV Hall
NED University Of Engineering
& Technology

Dr Hesham joined the BUE in 2014 as Lecturer in Department of Mechanical Engg. Dr Hesham major Experience in the industry and applied engineering science for over 20 years. He has been nominated as international instructor in VRF air-conditioning system, he made an international training course in South Africa, Dubai, and Pakistan.

Organised By:





ORIENTATION 2023-2024

Abbas Sajid, Chairman
Organizing Committee
HVACR Trends & CEO
Engineering Services



SPEAKER MUHAMMAD ABBAS SAJID



**15th Nov, 2023
12:00 – 3:00pm**



**NED UNIVERSITY
MAIN AUDITORIUM**



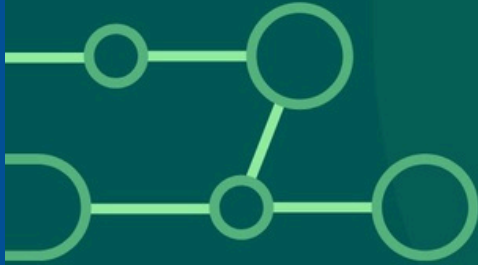
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ASHRAE *Distinguished Lecturer* Program

On the Topic

NET ZERO ENERGY BUILDING IN 2050
- ASHRAE AEDG

DR. SAMIR TRABOULSI

ASHRAE Fellow, CIBSE Fellow, NEBB Certified Professional, Instructor at ASHRAE Global Training Center Dubai, Past Director of ASHRAE Region At Large (RAL), Founder President of ASHRAE Lebanese Chapter, Co-Founder of Lebanese Green Building Council



 **02:00 PM**

 **17th May 2023**

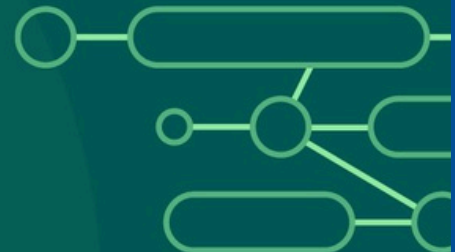
AV Hall - Civil Engineering Department
NED University of Engineering & Technology.

Seats are Limited. Secure you seat by making a prior registration

REGISTER NOW!

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0332 3076096

www.ashraepakistan.com





ASHRAE NED University Student Branch

A successful visit to

ASHRAE Pakistan Chapter

FFBL
Fauji Fertilizer Bin Qasim Limited





12 December 2023

ASHRAE NED University Student Branch

ASHRAE Pakistan Chapter

Atlas Honda

A Successful visit to

Atlas Honda Limited



31st-October- 2023

ASHRAE NED University Student Branch

ASHRAE

Organizes

INDUSTRIAL VISIT

To

FFBL
Fauji Fertilizer Bin Qasim Limited

FAUJI FERTILIZERS BIN QASIM LIMITED

12 DEC, 2023



FOR MORE DETAILS
0320 2088320 (Sameer)
0331 0288021 (Umer)

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ASHRAE NED University Student Branch

ASHRAE Pakistan Chapter

General Tyres

A Successful visit to

General Tyres

EVERY JOURNEY HAS A DESTINATION



14th-November-2023

General Tyres



NED University
Student Branch



ASHRAE NED

Presents

INDUSTRIAL VISIT

TO



For details, contact:

Ateeb - 0312 3350006

Sameer - 0320 2088320

Umer - 0331 0288021

Limited slots!



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ASHRAE NED
PRESENTS



INDUSTRIAL
VISIT

TO



Pakistan State Oil

LPG PLANT KORANGI

16th - November - 2023

For Detail Contact:

(Ateeb) 0312-3350006

(Sameer) 0320 2088320

(Umer) 0331 0288021



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ASHRAE PAKISTAN CHAPTER

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Email:info@ashraepakistan.com