Designing Energy Efficient and Green Buildings to Support HCFC Phase-out Management (HPMP)

Session Pointers

• How designs of energy efficient buildings help mitigating HCFC?
• What is the Role of Green Building Rating Systems to support HCFC Phase-out?
• What are the alternate Designs and Concepts for HCFC Phase-out?
• What are the emerging Green Building Concepts to support HCFC Phase-out?
• How Net Zero Energy Buildings can support HCFC Phase-out management?
Panellists - Bio Notes

1. Ms AshuDehadani

Ms.AshuDehadani is Manager (Technical and Publications) at GRIHA Council. She has been working at GRIHA Council for more than 2 years. Ashu is an architect with Masters in Sustainable Architecture. Before going the GRIHA Council, she has worked with Prof. JyotirmayMathur at Centre for Energy and Environment, Jaipur, taught at MNIT, Jaipur and worked as an architect in Jaipur, Chandigarh and Jodhpur.

She has 11 years of experience in the field of sustainable architecture, green buildings and design. Ashu has been taking lectures at HCM, RIPA and other institutes on related topics. She had won the RajarambapuPatil National Award for Promising Engineering Teacher (For creative work done in technical education) in 2009 in the area of National Environment Awareness Campaign & Innovations in Teaching and was awarded a gold medal during the Master’s degree. She has organised more than 60 exhibitions on environmental awareness in 15 states since 1994 - 2008. As a member of the State Level Scrutiny Committee for the Prime Minister Skill Development Scheme, she contributed in selecting deserving institutions to implement the scheme. She is also a Section Managing Committee member, Rajasthan chapter, Indian Society for Technical Education.

2. Mr Rajinder Kumar

Mr Rajinder Kumar is Practicing architect based in New Delhi, graduated from Chandigarh College of Architecture and Higher studies in Italy. He worked in Italy, Spain and UAE. RKA (Rajinder Kumar Associates) is regarded as one of the leading architecture, planning, landscape & interior design firms in India, and is considered as one of the most preferred breeding grounds for young architects across the nation, year after year.

Rajinder Kumar is well known for their simplicity, their aesthetic sensibility and their inspirational designs. Together they have played a key role in the creation of contemporary architecture across the length & breadth of India. RKA is recognized for several initiatives and for the emphasis they place on cost-effective, green and energy-efficient design using prevailing resources as well as for their distinctive use of space. Inspired and enriched by the environment in which Rajinder Kumar & Rahul Kumar live and work, they continually promotes simplicity and indigenous quality in all their buildings. RKA places special emphasis on designs that are cost-conscious, that encourage utilization of local resources and local participation at every level in the development of the project.
3. Mr Ashutosh Gupta

Mr Ashutosh is a Senior Sustainability Expert in the Built Environment and Sustainability Assessment Division of EDS in New Delhi. He has domain expertise in the field of corporate sustainability, low-carbon technologies, emission mitigation strategies and eco-industry. At EDS, he leads and manages projects including project design, developing and maintaining work plans and budgets, identifying, tracking and evaluating project outcomes, and supervising project team members.

His professional experience ranges from environmental consulting services to energy efficiency financing and regulation having worked at prominent firms such as Atkins/F+G and Capita Symonds in United Kingdom. His previous experience includes providing assistance in building energy efficiency code implementation and green building rating assessment in various countries like Greece, UAE, Scotland, Ireland, Saudi Arabia, England and India. Ashutosh graduated as an architect from Malaviya National Institute of Technology, Jaipur and completed his MSc. in Environmental Design and Engineering from University College London He is a member of International Building Performance Simulation Association (IBPSA), England and a LEED Accredited Professional for New Construction, Commercial Interior and Existing Building Certification.

4. Mr Ashish Rakheja

Mr Ashish Rakheja is Managing Partner of AEON Integrated Building Design Consultants based out of India (New Delhi) and has a post graduate degree in Thermal Engineering with twenty five years of work experience. He is a seasoned Consulting Engineer who has designed over 2000 projects including Hotels, Airports, Hospitals, Retail, Residential, Commercial, High rises and Industrial projects. Mr Rakheja specializes in high-performance buildings and has been actively involved in leading design activities of electro-mechanical services for three Net Zero Energy Buildings and over forty Platinum rated green projects in India.

He is spearheading the green building movement in India in capacity of role as Chairman, Technical Committee of Indian Green Building Council (IGBC) and certified Trainer. Mr Rakheja has won many awards and delivered over 500 talks on various facets of building design across the world. His projects are a blend of technology and passive design features wherein the building performance is enhanced by covering aspects like Thermal Comfort, Indoor Environment Quality, Heat islands, Micro-climate generation, CFD study, Daylighting, enhanced ventilation etc. He is an active member of over 20 Technical societies and regularly contributes his time on writing Standards, codes & position papers for Government bodies & Technical societies. He is involved in imparting training to budding Architects in the field of Building Services and a visiting faculty at leading schools in India.