

ACREX India 2019

28 February - 2 March 2019
Bombay Exhibition Centre, Mumbai



ACRO NEWS SHOW DAILY

DAY 1 - 28 FEBRUARY 2019

ISHRAE Speaks

ACREX India 2019 opens with a huge promise and vision for the industry's fast track development and success

ISHRAE and our over 20,000 Members are pleased to have you join us this month in Mumbai for the ACREX India 2019.

The HVAC Profession has advanced the way that buildings are planned, designed and occupied. As much as has been achieved in optimizing the design and performance of buildings, there are still many challenges before us. We are engaged in a strategy to address the challenges facing the building industry. This strategy will allow us to reach new levels of innovation and carry out our mission of advancing human well-being through sustainable technology.

Harnessing and adapting new technologies, such as those that you will see here on the Show Floor, enables us to create a future where the built environment is healthier, more comfortable, more energy efficient, producing a more sustainable world. Your attendance here over the next few days gives you first hand access to the technology necessary to excel in and enhance your career.

As you pace the Expo Halls and sit through the various educational programs on offer, you will find building owners we serve, the engineers we work for, the suppliers we buy from...and our

competitors... all in the same Hall. I'm sure you will be happy to have made that choice to be at the ACREX India.

Thank you for joining us. I encourage you to take full advantage of all that ACREX India offers, including the educational programs, the student events, and, share your passion with other attendees from around the world, all of whom are committed to improving the performance of the built environment around the world.

Visit us at the ISHRAE Booth (located in Hall 1) to know more about what we are doing to make the world a better place.



Mr. Krishnan V
Chairman, ACREX 2019,
Presidential Member, ISHRAE

NürnbergMesse Welcomes

ACREX India 2019 is the turnkey event for the HVAC industry with endless possibilities

NürnbergMesse India is very excited to welcome the building and construction industry to the 20th edition of ACREX India in Mumbai. This year, the event is constructed to be a spectacular show of all aspects of the products and services required in the building industry.

Along with the Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE), we are working to curate this larger-than-life, yet hugely

practical and functional platform that marks the largest trade fair for Air Conditioning, Ventilation, IAQ, IoT and Intelligent Buildings in the whole of South Asia.

These three days would witness a substantial amalgamation of expertise across the industry, both in terms of experience as well as break-throughs. International companies and brands have been eyeing India as one of the fastest growing economies and the

consumer market and ACREX India 2019 shall be the great confluence between Indian and cross-continental manufacturers and buyers.

Under the solid roof of the Build Fair Alliance, a busy list of exhibits, seminars, workshops, talks and more is planned for each day of ACREX India—resulting into a whole lot of interaction for the industry across the globe. We, with delightful enthusiasm, look forward and welcome everyone to Mumbai.



Ms. Sonia Prashar
Chairperson of the Board & Managing
Director, NürnbergMesse India

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NürnbergMesse Welcomes

A spectacle of collaborations and partnerships like never before - ACREX India of 2019

India's thriving economy, its booming infrastructure sector and an urbanization growth of 32 % per year - these are only some of the reasons for the constant demand for new buildings equipped with high-quality heating and cooling systems. For ACREX India the perfect conditions for continuous growth. The trade fair for refrigeration, air conditioning, ventilation and

intelligent buildings has established itself as the industry's largest and most important event in South Asia. We are very proud to celebrate its 20th edition this year. Our very special thank you goes to the Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE) and all our partners who have been supporting us to host a successful ACREX India 2019."



Dr. Roland Fleck
CEO
NürnbergMesse Group



Peter Ottmann
CEO
NürnbergMesse Group

Message from ASHRAE

Building Our New Energy Future

ASHRAE is a global society devoted to advancing human well-being through sustainable technology for the built environment. The Society and its members focus on building systems, energy efficiency, indoor air quality, refrigeration and sustainability within the industry.

This year, ASHRAE's Society theme, "Building Our New Energy Future," emphasizes the important role buildings will play in how energy is generated, stored, and distributed.

"Our industry is at the forefront of an evolutionary change in how energy systems interact and buildings professionals are going to play a key role in that new paradigm," says 2018-2019 ASHRAE President Sheila J. Hayter, P.E. "Integrated building design tools and techniques, improved resiliency and achieving greater measured energy efficiency are shared areas of interest among buildings professionals, not only in the U.S., but throughout the world."

A primer, also titled "Building Our New Energy Future," was developed for ASHRAE, in collaboration with the American Institute of Architects (AIA), the National Institute of Building Sciences (NIBS), and the U.S. Department of Energy's National Renewable Energy Laboratory (NREL).

The primer is tailored to help professionals understand how the smart grid will impact the built environment.

The publication not only offers guidance, but it allows the reader to prepare for the challenges and



Ms. Sheila J. Hayter
P.E., ASHRAE President

Building Our New Energy Future

What **Buildings Professionals** Need to Know about Changes Coming to the **Electricity Sector**

The Electrical Grid Today
The 20th-century electrical grid has served us well, but times are changing. As the grid's number one customer, the buildings sector has a critical role in these changes.

Changes to the Electrical Grid
Policies and new technologies are straining the outdated grid model. Buildings professionals can help lead the transition to a new 21st-century model for the electricity sector.

The Smart Grid
With a smart grid, buildings are transformed from the 20th-century model of passive loads on the grid to 21st-century dynamic partners in the electricity sector.

ASHRAE Shaping Tomorrow's Built Environment Today

opportunities of designing efficient and grid-responsive buildings within the changing energy sector. Please download acopyatashrae.org/president.

ASHRAE has seven chapters in India and its Region-at-Large, which includes the Middle East, Pakistan, Sri Lanka, India, Africa, and Europe, representing one of the fastest growing areas in terms of membership. ASHRAE members in India have a strong desire to lead the way in the application of integrated design practices in buildings within the region.

“Our members here in India are enthusiastically embracing sustainable technology for the long-term advantages,” said Hayter. “We cannot make the connection between buildings and the smart grid without the people who design, construct, and operate them and ACREX India continues to be a unique platform for the exchange of these ideas. Practitioners who know how to create and operate grid-responsive buildings and also excel in delivering IEQ are who building owners need today and in the future.”

ASHRAE is delighted to once again endorse this 20th edition of ACREX India in Mumbai and will make discounts available on the most current technical information through ASHRAE publications. ASHRAE staff and Society volunteer leaders will be on site to answer any questions about the Society and ASHRAE membership. For the latest information, visit Booth C-27 located in Hall 1.

ACREX India 2019 Curtain Raiser

Glimpses from the Curtain Raiser on the eve of event opening day



Audience honours the Indian National Anthem as the show begins



Dignitaries at the Curtain Raiser event



Dignitaries at the Curtain Raiser event



Dignitaries at the Curtain Raiser event



Ganesh Vandana as the event opens



Mr. V. Krishnan as he speaks about ACREX India's role in shaping the industry



Mr. Subramaniam addressing the audience



Mr. Alex Wang hosting the evening for the Indian HVAC sector



Mr. Saurabh Bhanot from Sanhua

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Mr. Vishal Kapur as he opens the panel discussion



Panel discussion and interactive session



Mr. Frank Hovorka from ASHRAE during interaction



As the discussion touches a lighter note



Mr. B. Gautham Baliga receiving the distinguished service award



Mr. Vinod K. Seth as he receives the distinguished service award



Mr. V B Maniam receiving H M Jhangiani award for his article



Mr. Shankar Chatterjee as he receives H M Jhangiani award for his article



Mr. Hardik Shukla as he receives the Student Activity award



Live Indian Music at the do



Mr. G Ramesh Kumar as he receives the distinguished service award



Mr. G Anand receiving the distinguished service award



Mr. Sonia Prashar giving vote of thanks



Audience applauding a successful discussion

ACREX Hall of Fame

Sustainability is the core element of development

Speaking on the ACREX Hall of Fame 2019, Mr. Ravichandran Purushothaman, President, Danfoss India said, "With the advent of fast-paced urbanisation, the Indian Infrastructure sector is expected to grow three-fold by 2022. With the right approach, the sector can minimize its effect on climate change and act towards incorporating sustainability as a core element of development which is critical to India's growth story.

Jointly conceptualised by ISHRAE and Danfoss India in 2016, the ACREX Hall of Fame has witnessed the exemplary efforts that has been put forth by the infrastructure sector towards promoting energy efficiency and encouraging the highest standards of innovation among HVAC systems in Commercial Buildings. This year, we are looking to recognize and reward the incorporation of sustainable technologies in the healthcare and hospitality sector that will set a benchmark for future

infrastructure projects in the country.

With nominations from across the country, the top 5 finalist buildings are ITC Maurya, Delhi; ITC Grand Chola, Chennai; Radisson Blue, Bangalore; Hotel Awasa, Hyderabad and HN Reliance Hospital, Mumbai. We are looking forward to unveiling the latest inductee to the ACREX Hall of Fame 2019 and thereby motivate a revolution in the energy efficiency quotient of commercial buildings in India".



Mr. Ravichandran Purushothaman
President, Danfoss India

GOLD Partner Feature

A very wide range of products to cater to the global market in India by Trane

Trane is committed to bring best of the HVAC technology to its customers. Apart from display of their recent offering "EcoWise Portfolio using HFO Refrigerants", they would be advocating the launch of new high-speed centrifugal chiller and the latest launch of 5th generation full DC inverter VRF system at ACREX India.

EcoWise portfolio of products, using HFO refrigerants (Recent Offerings):

Committing to the environment for the Indian market, Trane has launched next Generation EcoWise portfolio of products, using **HFO refrigerants** with near-zero ODP and very low-GWP refrigerants without sacrificing energy efficiency and safety. These refrigerants have been included in NBC and approved by various Government agencies like CPWD, AAI, etc.

Over the last year, they introduced new products for customers: GVAF Aircooled chiller with Turbocor Compressor with ESEER upto 5.9, Trane Next Generation CenTraVac™ centrifugal chillers using low GWP HFO refrigerants, Trane Sintesis

Aircooled Chiller RTAF with ESEER upto 5.15*. Trane has maintained a consistent approach towards the climate with a balanced approach in offering right refrigerant for the right product.



With launch of ECTV, CenTraVac™ centrifugal chiller using HFO based refrigerant like – R514A, R1233zd(E) they are the first mover and lead the market in offering Low GWP sustainable solution. The customers have been excited with the new products and they have received excellent business outlook which promises to help them grow.



HSWA:

High Speed Magnetic Centrifugal chillers

will continue Trane's commitment by providing a solution that is efficient, reliable, compact and environmentally sustainable. The chiller has an outstanding part load efficiency that exceeds ASHRAE 90.1 2016 standard by 40% and lowers the electrical consumption and demand charges.

Genyue5+:

Genyue5+ advanced 5th Generation full DC inverter VRF aids customers who would want to embrace sense of efficient VRF technology which offers Superior Part load performance (exceeding ASHRAE Verified Standard), flexible system combination, reliable high ambient operation with compact system that allow the customer to be smart, relaxed & comfortable.



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Messages of encouragement from our clients

“Sanhua is the World’s leading brand for manufacturing of HVAC&R controls and components with over 35 years of experience and a global footprint with 15 factories, 5 R&D centres, and more than 20,000 employees. Sanhua’s relentless endeavours to bring more innovative & technological components to the market has continued to strengthen our cooperation with the largest companies in the Automotive, Appliance and HVAC&R industry.

Over the years, Sanhua has continued to increase its focus on the India Market and had taken several initiatives to invest and boost its HVAC&R business in the country. Already supplying to all major OEMs, Sanhua has already developed a vast distributor network

We have had a long standing relationship with ACREX India and are extremely glad to continue as the Knowledge Partners this year. At Voltas, we’ve been relentlessly working towards developing innovative products & services covering a gamut of business solutions including Airconditioning, MEP, HVAC, Water management and Rural Electrification.

This partnership allows the opportunity for two power brands-Voltas Limited and ACREX

We are delighted to be the knowledge partner at ACREX India 2019. As a market leader in air conditioning, Voltas has been at the forefront of reinventing and developing products that are not just technologically superior but also more energy efficient and user friendly. As Knowledge Partners, we hope to engage in

with 7 distributors across the length & breadth of the country & now have expanded to the Indian subcontinent countries.

We at Sanhua believe in ‘true innovation as the innovation at the best possible economics.’ The spirit of discovery is deeply embedded in Sanhua’s DNA, as once quoted by Google for its operations, ‘Sanhua’s deep learning initiative is also rooted in its fierce commitment to research.’ We would continue to impress the India HVAC&R industry by bringing more & more ‘true innovation products’ to the market.”

Mr. Saurabh Bhanot
Country Head, India subcontinent SANHUA

India to come forth and showcase latest developments in the dynamic business environment for the HVAC industry. As the market leader, we feel responsible and are committed to create a roadmap for inclusive growth. We are delighted to be associated with ACREX India.

Mr. Pradeep Bakshi,
MD & CEO, Voltas Limited

interactive, meaningful and directive conversations that help our stakeholders understand the myriad solutions Voltas offers. We hope to continue this partnership through the year to learn and grow together.

Mr. Anil George
Deputy MD, Voltas Limited



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Co-organiser



INDIA'S LARGEST EVENT ON REFRIGERATION & COLD CHAIN INDUSTRY



International Exhibition
and Conference on
Cold Chain,
Industrial Refrigeration
& Reefer Transportation



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INDIA**

21 - 23 NOVEMBER, 2019
HITEX Exhibition Centre, Hyderabad

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SPACE NOW!**



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Enhancing Agriculture, Aquaculture, Healthcare & Beyond...

ADVANTAGE REFCOLD INDIA

- The only exhibition focusing on Industrial Refrigeration along with Cold Chain and Reefer transportation
- Supported by Government and world renowned bodies like AIRAH, IAR, IOR, IIR, CAR, TTMD, REHVA etc.
- Participation by leading players of the industry
- Technical workshops by international speakers
- Concurrent events like Global students poster competition, B2B, Innovation pavilion etc.
- Discover latest trends and technologies
- Meet the cold storage owners and decision makers from end users

**REFCOLD
INDIA 2018
SUCCESS
STORY**

**Inauguration by
Hon'ble Chief Minister
of Gujarat**

**No. of
Exhibitors - 160**

**Total Area -
6000 Sq. m.**

**No. of Visitors -
More than 10,000**

Award Partner



Refrigeration Partner



Silver Partners



Bronze Partners



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SOUTH ASIA'S LARGEST EXHIBITION ON AIR CONDITIONING, HEATING, VENTILATION AND INTELLIGENT BUILDINGS

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 **United Technologies**

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IMPRINT



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