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Dignitaries at the inaugurations ceremony of ACREX India 2016

ACREX India 2016

ACREX India 2015 comes to Mumbai after two years with a strong focus on 'Make in India'.

CREX India 2015 was inaugurated by high profile ISHRAE delegates with great enthusiasm. Organized by the Indian Society of Heating, Refrigeration and Air Conditioning Engineers (ISH-RAE) and produced by NuernbergMesse India Pvt Ltd, the mega event is being conducted at India's financial capital-Mumbai—at the at the Bombay Convention and Exhibition Centre (BCEC). The Exhibition features diverse building engineering services that include fire & safety, electrical & plumbing services building automation and the ever growing cold chain industry. Hence, the theme of ACREX India 2016 'Make in India - Infinite opportunity for HVAC&R Industries' has a globally appealing attitude for showcasing India's capabilities. The organizers expect a record number of 30,000 trade visitors and 500 companies that exhibit their products and services on a display area of more



Traditional musical welcome at ACREX India 2016

than 30,000 square metres. With the participation of major global companies and country pavilions for China, Germany, USA, Korea, and first-time Turkey, ACREX India offers a 360-degree view on worldwide trends in building design.

Curtain Raiser

Apart from this, the event also organized a curtain raiser for the exhibition. At this event, a panel discussion was held on 'Importance of Design and Architecture for Sustainability, Big Savings and Performance in the Long Run.' The panelists included Arun Bhatia, Managing Director, UTC - Climate, Controls & Security; Anuj Agarwal, Head, Infrastructure Management & Services Group, ICICI Bank Ltd; Rajan Rawal, Executive Director, Centre for Advanced Research in Building Science & Energy; T David

Underwood, President, ASHRAE, P.Eng., Fellow ASHRAE, Life Member, CPMP, resides in Oakville, Ontario, Canada; PRP Ramakrishnan, Area Director of Engineering - South Asia, Marriot International; Pankaj Dharkar, Managing Director, Pankaj Dharkar Associates. The session emphasized on the several ways technology is going to influence the building construction industry in the future. It also focused on finding out innovative ways of carrying out business in the most efficient manner. The panelists also shared their thoughts that the industry has to work in tandem in order to ensure timely delivery of projects. This energetic session was succeeded by an award ceremony wherein people associated with ISHRAE were awarded for their dedication and hard work.



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"It is indeed an overwhelming experience to see active and enthusiastic participation of the HVAC & R industry at the exhibition all its related events. ACREX India 20016 promises a wonderful exhibition and knowledge sharing experience to all our stake holders."

K Ramachandran, President, ISHRAE



"ACREX India 2016 offered a wonderful experience for domestic and international participants in a traditional welcome with Nasik dhol (drums) and Shehnai (trumpets). Traditional Maharashtrian turbans were given to all the dignitaries for the lamp lightning ceremony. It offers a brilliant opportunity to see the latest technologies and products in HVAC&R industry. Additionally, there are workshops and panel discussions that will give participants an enormous learning opportunity."

Akbar Bharmal, Chairman, ACREX India 2016



"Best possible moment in life to witness the inauguration of ACREX 2016 with big bang. With all my international guests and ISHRAE presidential members coming for this 3 days will bring new technology and superb networking opportunity to entire HVAC & R industry and allied building engaging industry. We are pleased to note that we have specialized pavilions industrial buildings, cold chain, refrigeration and fire and security."

Pankaj Dharkar, Chairman, ACREX National Steering Committee



"ACREX India 2016 started with a bang today echoing the energy of show, enthusiasm of exhibitors, confidence of organizers and with all the makings of yet another successful edition. I am sure visitors will benefit from wide range of products covering airconditioning, ventilation, and automation and refrigeration. The curtain raiser provided a perfect start to event and over three days one can expect serious business and networking opportunities for all."

Ashish Rakheja, Managing Partner, AEON Consultants; Chairman, ACREX India 2017; Chairman, IGBC Technical Committee; Chairman, FSAI Strategic Initiatives.



"The ACREX India 2016 inauguration was a wonderful display of India's great traditional celebration; in particular, it is a great country that has not forgotten its tradition when moving with the world of high technology."

Farooq Mehboob, Director and Regional Chair, ASHRAE Region-At-Large

A Brighter Future!

Each edition of ACREX builds its foundation on the success of previous event. The focus continues to be energy efficiency, green environment friendly products and automation with emphasis on local manufacturing for cost sensitive Indian market. It is for this reason the ACREX India 2016 theme is 'Make in India' which is in line with the Prime Minister's vision.

t Bangalore in ACREX India 2015, ISHRAE made a conscious effort to focus on Cold Chain & Refrigeration products. This year at

ACREX India 2016, the idea has taken a concrete shape with larger representation of suppliers from this industry. The visitors will be benefited from

geration products. This year at Visitors will be benefited from

Ashish Rakheja, Managing Partner, AEON Consultants; Chairman, ACREX India 2017; Chairman, IGBC Technical Committee; Chairman, FSAI Strategic Initiatives.

Source: AEON Consultants

ACREX emerging as an integrated air-conditioning and cold chain show. Besides, products related to indoor air quality, automation, low energy etc from International & local companies will surely catch the eyeballs. Lastly, the large presence of International contingent will open new business opportunities.

Speaking on the trends that will be reflected in this year's edition of ACREX India, Ashish Rakheja, Managing Partner, AEON Consultants; Chairman, ACREX India 2017; Chairman, IGBC Technical Committee; Chairman, FSAI Strategic Initiatives, mentions, "As all of us spend a majority time of our lives inside buildings wherein the air-conditioning systems play a centre role. After recent COP 21 meeting at Paris, Energy efficiency & environment protection are in focus. On top, the poor outdoor air quality in cities has also given additional responsibility to this industry. These trends are reflected in the product display at AC-REX India 2016."

Opportunities Galore

Businesses across globe are converging rapidly. According to Rakheja, most major global HVAC&R manufacturing companies have presence in India market and a large number of them have set up a local manufacturing base. In addition, the Indian companies have also started venturing into International market wherein ACREX has played a major role in providing business opportunities as well as exposure to entrepreneurs. "Thus, in coming years, we will see Indian companies supplying world class products to countries in Asia, Middle East & Africa. Design outsource industry will also attract the attention of MNCs due to low cost man-power and currency devaluation," he adds.

Future Awaits

The start of 2016 has brought in new promises

and opportunities. For the past few years, the Indian HVAC manufacturing base has been constantly eroded with focus towards imports. Rakheja avers, "These are short term solutions and it is important that a robust local manufacturing regime is in place to meet the demand generated in the future by smart cities, urbanization and growing middle class. With nearly 30% of the booths taken by overseas exhibitors, ACREX India 2016 is a platform to not only showcase products but also form new alliances.

He further adds, "India has a well qualified young population that can manufacture products at international standards. Hence, this year's theme is in line with Prime Minister Modi's campaign 'Make in India'-It is a way to introduce India as the perfect place to manufacture at international norms". One thing is for sure, this year's edition, will showcase the best the industry has to offer!



Major Demands from Urban and Rural Markets!

ACREX India 2016 will offer solutions to meet the demand from urban and rural areas in the real estate market—residential and commercial. Owing to the focused approach of the government, there will be great potential of growth for the HVAC&R industry this year.

estate market will result in increased demand for HVAC&R systems as well. It is at ACREX India that the

he growth of the real HVAC&R industry is uniquely positioned to offer its customers with the best in class technology. Nivrutti Kodre - DGM -Protective Packaging Division

Nivrutti Kodre - DGM - Protective Packaging Division

(West), The Supreme Industries Ltd

Source: The Supreme Industries Ltd

(West), The Supreme Industries Ltd mentions, "We are regular exhibitors at ACREX India; we are extremely happy with the kind of response we have gained through this platform. This year we have high expectations from ACREX India 2016 as we are expecting key areas such as Green Building, Cold chain industry & High end residential projects will be key driver for growth of Industry."

As the show is a platform that has global exposure the company is expecting lot of national and international players & visitors to visit this exhibition. "Our focus at ACREX India 2016 is to showcase the Supreme's solutions and innovative products under one roof for all HVAC Consultants & Contractors, which will help

us to strengthen our relationship with them and help build sustainable longterm relationships with our esteemed clients," asserts Kodre.

Soaring Growth

line government's campaign, 'Make in India', there will be tremendous opportunities available in the field of manufacturing, which in turn will be a key driver for growth. According to Kodre, this will lead to a large number of projects arising across the country; ergo there will be an increasing demand for services like HVAC: "Hence, we want to be ready to tap these huge opportunities by making ourselves ready for new industry trends by offering technologically tailor-made products for the customer."

The company will be displaying its INSU range of products that offer highperformance thermal insulation and sound "At insulation. Insulation Division, we offer superior products for specifically insulation requirements of various industries, with a sole purpose of improving the energy efficiency, and thereby helping conserving energy. Our eco-friendly thermal insulation products are fast replacing hazardous fibrous materials in application areas like modern malls & multiplexes, airports and a variety of upcoming green buildings," avers Kodre.





WORKSHOP & SEMINAR SCHEDULE

WORKSHOPS @ ACREX INDIA 2016

Session	Date	Timing	Instructor	Торіс
Session 1	Thursday, 25 February 2016	2:00pm - 5:00pm	Lennart Wass	Air distribution and Heat Load Considerations for Displacement Ventilation Systems
Session 2	Friday, 26 February 2016	10:00am - 1:00pm	Peter Simmonds	Short Course on Tall, Supertall and Megatall Building Systems Design
Session 3	Friday, 26 February 2016	2:00pm - 5:00pm	Ramesh Parashuram Paranjpey	Design of cold storage as a part of cold chain
Session 4	Saturday, 27 February 2016	10:00am - 1:00pm	Peter Simmonds	Safe & Save Ammonia Refrigeration Systems

SEMINARS @ ACREX INDIA 2016

Date	Time	Topic	Conducted by
Thursday, 25 February 2016	11:00am to 1:00pm	Safety at the HVAC Workplace	ISHRAE
Thursday, 25 February 2016	2:00pm to 4:00pm	Reducing Building Energy	REHVA, the European Association for Heating Ventilating and Air conditioning
Friday, 26 February 2016	11:00am to 1:00pm	All about Refrigerants	ISHRAE's Committee on Refrigerants
Friday, 26 February 2016	2:00pm to 4:00pm	Fire & Safety inside Glass Facades	FSAI , Fire & Safety Association (Hall 6)
Friday, 26 February 2016	2:30pm to 4:30pm	Session on Building Performance Score	USGBC
Saturday, 27 February 2016	11:00am to 1:00pm	An Architect and Developer Interaction	A panel discussion towards convergence
Saturday, 27 February 2016	2:00pm to 5:00pm	aQuest	a National Engineering Quiz for Students, (Hall 2A)



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C-14

Encouraging New Talent!

Hitachi is investing in India and investing in the youth.

itachi as a manufacturer is supporting is 'Make in India' concept from a very long time, and creating jobs and nurturing vendors and SMEs from a very long time now. "For us 'Make in India' is not just a philosophy but it's in our DNA to produce products for India

and outside world," voices Gurmeet Singh, Executive Director (Sales, Marketing & Business Planning), Hitachi Home & Life Solutions (I) Ltd, a Johnson Controls-Hitachi Air Conditioning Company (HHLI). "HHLI is committed to manufacturing in India. Over the last 30 years,

Gurmeet Singh, Executive Director (Sales, Marketing & Business Planning), Hitachi Home & Life Solutions (I) Ltd, a Johnson Controls-Hitachi Air Conditioning Company.

Source: Hitachi Home & Life Solutions (I) Ltd

we have consistently invested and grown in India. Today we employ more than 3000 people and work with numerous partners collectively."

This edition of the event is taking place in Mumbai. The reason that the show is rotated on an annual basis by ISHRAE is to support local players from each region. This is what makes ACREX India 2016 a really national event for the HVAC & R industry.

Speaking on further investment, Singh adds, "Going forward, we plan to continuously invest in the factory to meet the growing demand in India and abroad. Today our import ratio comes down to 52% with continuous investment and development of the local vendor."

Product Excellence

The company is committed to excellence in products and services. It has two NABC

accredited labs to ensure it meets stringent Hitachi product norms. Additionally, the company is working hand-inhand with BEE to ensure energy efficient green ACs. "I am happy to say that we will be the first company to launch all Inverter ACs with star rating and also have the distinction of having highest IEER AC amongst all the ACs," avers Singh.

ACREX India is the perfect platform to showcase the company's products. "Today I feel very proud to be a part of esteemed fraternity of 'Indian Society of Heating Air conditioning & Refrigeration Engineers (ISHRAE)'. We have been associated with ISHRAE & ACREX from more than nine years, and it's good to see that our bonding and association has crossed another level and we have grown day-by-day," advises Singh.

According to the company, ACREX is not just a networ-

king and client meeting platform but also one that encourages new talent into the industry. To encourage this aspect, Hitachi is doing its bit to promote and encourage engineering students through partnership by sponsoring the aQuest platform—which is a platform that helps engineering students get insight into the industry and help them peruse their career in this sector.

"Every year, we provide opportunities to all the aQuest winners to come and work with Hitachi. This year we have a bigger plan to recruit many students as interns and on roll employees of Hitachi. This is in line with our company's belief in bringing new talent to the industry and creating a platform for the HVAC students that will be beneficial for the entire industry," concludes Singh.





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Glimpses of the Curtain Raiser













India 2 0 1 6





Source: LG Electronics India Pvt Ltd,

Technologies of the Future!

LG System Air Conditioning Business Unit Booth Concept for ACREX India 2016: LG Showcases Complete HVAC Lineup, Seeks to Make Deeper Inroads into the Indian Commercial Air Conditioning Market

s part of its efforts to enhance its position in India, LG Electronics (LG) will present its full lineup of commercial air conditioning (CAC) and energy solutions at ACREX India 2016, the international exhibition for air conditioning, refrigeration and building services.

LG will use its booth space (Hall 1 / Stall D-1) to highlight its flagship commercial HVAC solutions, with a strong focus on the corrosion resistant MULTI V IV. High-efficiency solutions such as the MULTI V Water IV and LG's Hydro Kit will also be on display. This year, visitors to LG's booth will have the chance to see comprehensive graphics depicting LG products installed at prominent locations throughout India.

"We're excited about our new HVAC solutions, which are surely going to help business owners in the region. By focusing on the specific needs of the Indian market, LG is on track to take a leadership position in the industry, which will benefit the entire HVAC community," said Lee Jae Sung, President of the LG System Air Conditioning Business Unit.

MULTI V Zone

At the MULTI V Zone, visitors can get hands-on experience with LG's MULTI V IV Corrosion Resistant, the company's latest variable refrigerant flow unit (VRF). This air conditioner integrates sophisticated new technologies which effectively minimize energy loss under partial load conditions, giving it a superb coefficient of performance (COP) rating of 4.79. Also on display will be LG's MULTI V S which is the ideal VRF solution for heating and cooling small, medium-sized spaces including residential and light commercial buildings. Exceptionally efficient, the smaller-sized HVAC solution offers a full lineup of models ranging from 4 to 14 horsepower and has a wide connectivity of up to 23 indoor units. Moreover, visitors will be able to learn about LG's highly efficient water cooled VRF system, the MULTI V Water IV

MULTI V Indoor Zone

Visitors to the MULTI V Indoor Zone will be able to see LG's feature-packed MULTI V indoor units. Included in

this range will be LG's MULTI V Cassette and High-static Duct units. Moreover, visitors will have the chance to see LG's range of residential air conditioners including the beautiful ART COOL Gallery and Mirror as well as the Mosquito Away.

Light Commercial Zone

The Light Commercial Zone presents a diverse range of inverter and constant indoor units that can be paired with LG's System Air Conditioning solutions. Here, at this zone, visitors will be able to discover LG's range of 4-way cassette air conditioners and High and Low static Duct units.

Control Solution

Visitors at the Control Solution zone will be able to experience LG's range of control solutions. Perfect for controlling installed air conditioning solutions, LG's diverse range includes its new standard remote controller with an improved UI and design makes convenient.

Chiller Zone

The Chiller Zone will represent graphics that outline the benefits of LG's range of chillers that include centrifugal, screw and water cooled screw chillers. In particular, visitors will be able to learn about the benefits of LG's world-first Gas Bearing Oil-Free Inverter Centrifugal Chiller that has a world class COP level and saves up to 29.3 percent in annual operation costs thanks to the application of a Level 3 Inverter and 2-Stage compressor expansion.

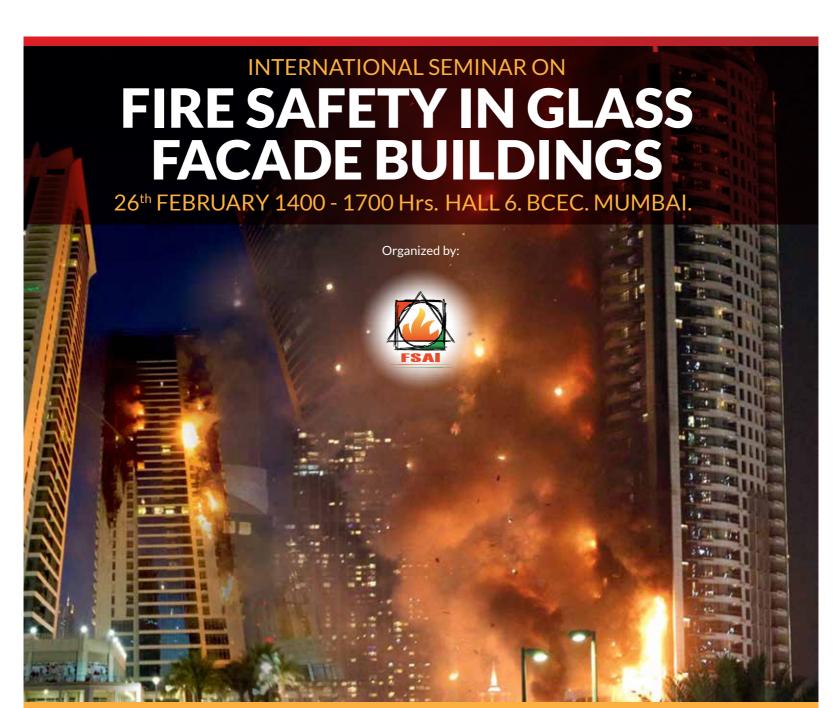
Residential Zone

In this zone, visitors will be able to see

and experience LG's range of residential air conditioners that have been designed to upgrade any home interior. On display will be LG's DUALCOOL, the first air conditioner to implement LG Dual Inverter Compressor™, delivering powerful cooling performance and outstanding energy savings. This revolutionary technology consumes up to 70 percent less electricity while simultaneously providing up to 40 percent faster cooling than typical noninverter RACs. Moreover, packed with advanced, proprietary air filtration technologies, LG's Mont Blanc air purifiers will be on display so visitors can learn how they protect consumers' health by removing 99.9 percent of pollutants and other potentially harmful substances from the

Hydro Kit Zone

In this zone, LG's Hydro Kit will be on display. Designed primarily for buildings that require a large, dependable supply of hot water, LG's Hydro Kit is well suited to a wide range of commercial and public sector applications. LG's new product also provides considerable installation flexibility and an eco-friendly performance with fewer CO₂ emissions. The compact, modular design of the LG Hydro Kit translates to exceptional flexibility for architects and HVAC system designers. Installation options are further multiplied as no duct work is necessary for the expulsion of exhaust gas. The Hydro Kit's supreme versatility makes it suitable for a whole host of facilities, including hospitals and hotels.



Our Eminent Panelists



Andy Dean Head of Facades WSP / Parsons Brinckerhoff



Santosh Warick Director, Maharashtra Fire Service and CFO, MIDC

Supported by:





Peter Simmonds
Managing Director
Principal Building and Systems
Analytics LLC, USA



Ruchir PanwarBusiness Head – Build Solution
Susten by Mahindra



Pankaj Dharkar
PDA Consultants, Ahmedabad
President, Fire & Security
Association of India



Hemant Rathod National Head Structural Glass Solutions Saint Gobain Glass



Ar. C.N. Raghavendran CRN Architects



Rolf Schnitzler Product Engineer - Curtain Walls and Windows, ift Rosenheim Germany



Gareth Whitcombe
Technical Specialist
Water & Mechanical Products, TYCO
USA



Devendra Kumar ShamiFire Adviser, DGFS
CD & HG

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Source: Armacell Indi



Cell Insulation Material

Armaflex Class O is EPD approved product offering form Armacell India. It has excellent technical parameters like low thermal conductivity [$\lambda 0^{\circ}C \le 0.035\,\text{W/(m\cdot K)}$] and high water vapour diffusion resistance ($\mu \ge 7,000$). Furthermore, the EPD product gives increased long-term thermal efficiency owing to its closed cell structure which prevents condensation throughout its life. Armaflex Class O is a highly flexible, closed-cell insulation material with high water vapour diffusion resistance and low thermal conductivity. It prevents condensation, reduces energy losses and protects against frost on pipes, air ducts and vessels. Armaflex Class O is suitable for hot and cold water services, chilled water lines, heating systems, air conditioning ductwork, refrigerated pipework, process and industrial pipework and equipment. Armaflex Class O is available in sheets and tubes.

Armacell India Hall 1 / Stall D2



Valves

Aquaseal Integrally-moulded Butterfly Valve is one of L&T's key product offerings for the HVAC industry. The body seat of Aquaseal Butterfly Valve is vulcanised insitu onto the body and provides longer life and superior performance when compared to valves with loose liners. The highly reliable butterfly valve has successfully completed over 10,000 cycles at its rated pressure and is a true fit-and-forget valve.

AquasealPlus Class 150 Butterfly Valve and Aquaseal 25 Butterfly Valve (pressure class PN 25) are the latest additions to the Aquaseal range. These second generation valve are designed to provide reliable flow-control in high-rise towers, IT parks, multiplexes and malls that demand high performance at higher pressures. The valve is available in sizes from 50 mm (2") to 900 mm (36"), in SG Iron and carbon steel, in wafer, lugged and flanged construction. The valves are also offered with a variety of actuation options.

L&T Valves Hall 1 / Stall C50



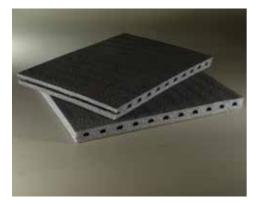
Insulation Material

INSUreflector from The Supreme Industries is a radiant heat reflective insulation material made of polyethylene air bubble film (ABF) laminated with aluminium foil on one or both sides. It protects the building from undesirable heat gain. It is a low e-reflective insulation material with a low mass to air ratio, which effectively blocks the radiant heat transfer. The bright surface of the Aluminium foil, which encases the FR polyethylene air bubble film material, reflects 96% to 99% infra-red radiation received by the surface of the heated slated roof. INSUreflector meets the requirement of 'Class O' for fire propagation and 'Class I' that conform to surface spread of flame as per BS 476 Part 6 & Part 7 respectively as stated by CBRI. It is chemically inert, i.e., unaffected by alkali, alcohol, detergents, petrochemical products and most mild acids. It is a non-toxic, non-carcinogenic and fibre free material. It has negligible water vapour transmission even after 28 days. INSUreflector is a superior alternative to fibrous Glass Wool insulation material.

The Supreme Industries Hall 5 / Stall N-5A

Insulation Foam

Supreme launches INSUshield-af - engineered cross linked polyethylene foam with improved thermal insulation properties



Source: The Supreme Industries

NSUshield-af is a range of engineered cross linked insulation foam with additional air-filled chambers embedded within its closed-cell structure. These air gaps create more resistance to heat transfer reducing the energy flow. Thus, it increases the insulation efficiency and reduces the energy consumption offering you greater savings and quick ROI. It retains all the beneficial features of INSUshield. It further enhances the thermal conductivity value of standard INSUshield by over 30%. This helps in optimizing/reducing insulation thickness, offering a distinct cost advantage over standard INSUshield. Furthermore, it has very low yet stable thermal conductivity; therefore, it offers better insulation performance with improved energy saving. The tri-dimensional, closed-cell structure makes INSUshield-af, a mechanically stronger foam with good vapour barrier properties. It is flexible making it easy to be pasted on the surface of the duct. It finds its use in the HVAC&R industry, pharmaceuticals and textile mills, PEBs, industrial, factory and poultry sheds, food processing industry, data centers, server rooms, standard rooms, etc., computerized control rooms for petrochemicals, power plants, steel plants, manufacturing units, networking stations and many more.

Source: LG Electronics India Pvt



Air Conditioners

The MULTI V Water IV is a powerful water-cooled system that provides top-class energy efficiency via LG's industry leading inverter technology. The impressive new model incorporates a range of convenience-enhancing features including the company's smart control. Smaller and lighter than its predecessor, the MULTI V Water IV is easier to install and takes up less room. Furthermore, the versatile solution is compatible with a wide range of energy sources and indoor units, offering customers incredible flexibility. Thanks to LG's fourth generation inverter compressor the MULTI V Water IV delivers the widest operational range in the industry. A winner in terms of performance and energy savings, it boasts a 5.5 coefficient of performance (COP). The MULTI V Water IV is also equipped with the world's first variable water flow control system for water cooled VRF systems. By applying this system, the energy consumed from circulation pumps can be reduced by controlling the embedded kit.

LG Electronics India Pvt Ltd

Hall 1 / Stall D1

Source: Hitachi Home and Life Solutions (India) I



Intelligent Air Conditioning System

Unique& intelligent KASHIKOI 5400i Inverter AC from Hitachi has stunning looks and amazing features. It has an auto filter cleaning technology that helps trap airborne dust particles. The presence of an intelligent image sensor technology comes with abilities that ensures you get equal attention for equal cooling comfort and enjoy higher energy saving. Additionally, for sound sleep, Hitachi's iSense technology helps regulating the room temperature according to a person's active body movements to ensure the optimum temperature at all time. This is done through, infra-red sensors that detect human movement during sleep, in case of no active movement; the AC increases the temperature by 1 °C per hour for 2 hours.

Hitachi Home and Life Solutions (India) Ltd

Source: Armacell



Covering Solution

ArmaChek Silver 350 is a multi-layer laminate of aluminium, coated with special UV protection and a polymer backing. It is a professional covering system with a bright metallic finish to provide mechanical resistance with an excellent aesthetic look. Formed with highly flexible, 3-layer composite film of metallic appearance with aluminium intermediate layer, it gives excellent mechanical and UV protection. It is easy to install maintain and clean. The material installation is time saving in comparison with metal jacketing and reduces the risk of galvanic corrosion. With excellent mechanical, UV and weather resistance, this material forms an excellent insulation covering solution for HVAC. The material also comes with inherent curl-effect for maximum security on pipes. This product is Greenguard Gold Certified for low chemical emissions. This highly efficient covering solution is widely used in Pharmaceutical, Process and Construction Industries and is available in a range of silver covering on rolls and in pre-fabricated elbows, tees and end caps.

Armacell India

Hall 1 / Stall D2

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