VACUUM INSULATION PANEL

VIPA

GLOBAL ASSOCIATION

NEWSLETTER
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In This Issue

VIPA International is a Build Up Partner

BUILD UP
energy solutions
for better buildings

Dear VIPA International Member,

This is the last 2017 edition of VIPA's biannual newsletter. We highlight the latest activities and achievement of the association and mention some projects for 2018.

We take the opportunity to send you our season greetings and best wishes for 2018!

With best regards,
Gregor Erbenich
President VIPA International

1. Association News

1.1. Three new manufacturers joined the association

Three new manufacturer members joined VIPA International this last quarter of 2017:

AIMT Korea (Advanced Insulation Materials & Technology) - Korea

AIMT
Advanced Insulation Materials & Technology

AIMT is organised in collaboration with former Samsung Electronics engineers who developed VIPs for refrigerator and other fields. AIMT have developed new materials, machine, and process for better VIPs.

C-Safe - USA

C-Safe
One world. One cold chain. One mission.

C-Safe Global manufactures AcuTemp® and Kalibox brands of passive packaging and hand-held mobile carriers, the CSafe® brand of active containers, and is the exclusive manufacturer and provider of ThermoCor® vacuum insulation. The active solution product assortment includes the industry leading CSafe RKN, which utilizes heating and compressor-driven cooling technology to eliminate the risks associated with extreme ambient conditions as well as the conditioning, cost, aggravation and environmental challenges associated with dry ice and PCM's. CSafe Global's AcuTemp brand has provided temperature management solutions since its founding more than 25 years ago. The courier is a simple-to-use, reusable temperature management system with multiple sizes, temperature ranges and durations designed to protect vital shipments during last mile delivery. The passive packaging assortment includes solutions for 2-8°C, CRT and frozen shipments with temperature hold times up to 240 hours. For more information visit http://csafeglobal.com/united-states/

Vaku-Isotherm - Germany

Vaku-Isotherm is a manufacturer of high performance vacuum-insulation-panels. Founded in 2005 they were one of the pioneers in the development of the VIP market in Europe. A strong focus on customer needs was the basement of their success. Furthermore, it led to a wide product range under the brand name vakuVIP which delivers innovative and great solutions for different applications. R&D facilities and its dedicated engineers are giving them the possibility to develop new products together with their valued customers. All products are developed and made in the plant in Germany/Saxony with the environment in mind. The use of renewable energies and a recycling system is naturally for Vaku Isotherm. Regular audits from independent organizations certify their high quality standards."

For more information visit www.vaku-isotherm.com

1.2 VIPA 2017 General Assembly - 19 September in Paris

The 2017 General Assembly took place on 19 September at the Cité Universitaire de Paris, one day before the start of IVIS 2017. The General Assembly approved the annual report of activities of the association (click here to download), the annual accounts of 2016 as well as the budget and membership fees for 2017. All documents are available for download in the reserved area of the website: http://vipa-international.org/login (login sensitive).
During the meetings in Paris some Board members were voted for a second mandate in the Board. This is the current board composition:

- Gregor Erbenich, Porextherm, VIPA International President
- Yoash Carmi, Avery Dennison Hanita, VIPA International Vice-President
- Vladimir Pogač, Turvac, VIPA International Treasurer
- Roland Caps, va-Q-Tec
- Richard Burnley, Kingspan Insulation
- Uros Cotelj, Knauf Insulation
- Geert Houvenaghel, Microtherm
- Zhai Chuanwei, Qingdao Kerui New Environmental Materials
- Reiner Wartusch, Evonik Industries
- Michel Chauvois, Rexor
- Gary Chalkley, Camvac
- YanQing Zhou, Hongda Suzhou VIP New Material

With the new memberships of AIMT, C-Safe and Vaku Isotherm, the following representatives will join the board:

- Se-Won Yook - AIMT
- Thomas Heckard, C-Safe
- Sebastian Baars, Vaku Isotherm

1.3 IVIS 2017 in Paris, 20-21 September

Almost 200 participants gathered in Paris, France, at the Cité Universitaire de Paris for 13th International Vacuum Insulation Symposium on 20-21 September 2017. VIPA International was one of the sponsors and participated at the exhibition area with a stand. VIPA International President, Gregor Erbenich, Porextherm, was a keynote speaker at the opening session of the event on 20 September.
The Scientific Committee of IVIS announced the location for the next IVIS in 2019. The event will take place in Kyoto, Japan and it will be hosted by the Kindai University.

1.4 CEN VIP standard going through voting process

The CEN Technical Committee 88 (thermal insulating materials and products) Working Group 11 (vacuum insulation products - VIP) drafted the factory made vacuum insulated panels (VIP) for buildings specification. The draft standard will now go through official voting process with the national standardisation bodies. The CEN TC 88 WG 11 had a meeting in October to go through the comments received following the phase of inquiry that started early 2017 and finished in September this year. The Working Group addressed all comments and decided to go ahead with the next step in the approval process. This voting should be finalised in the course of 2018.

1.5 New sections on VIPA International website

In 2017 the VIPA website was updated with new sections:

- Standardisation http://vipa-international.org/standardization
- IVIS http://vipa-international.org/ivis

Furthermore, since early 2017, the website is available in Mandarin Chinese and has a Chinese domain: http://www.vipa-international.cn/

1.6 Creek Qingdao Kerui to investigate VIPs in pre-fabricated buildings

During the Board meeting in Paris last September, the Board approved a proposal submitted by Creek Qingdao Kerui to perform a study on the integration of VIPs in ultra-low energy consumption concrete pre-fabricated buildings. The study will start in January 2018 and shall last 8 months.

2. Policy News from Europe

The energy efficiency package presented by the European Commission on 30 November 2016 is still under discussion, but the two initiatives included in the package (the Energy Efficiency Directive, EED, and the Energy Performance of Buildings Directive, EPBD) have taken different paths: Commission, Council and Parliament have reached an agreement on the EPBD, while the EED is still under discussion in the Parliament.

Energy Performance of Buildings Directive

Commission, Council and Parliament agreed on 19 December on a common text of the EPBD, targeting the energy consumption of buildings. The Parliament and Council will give the final green light on the directive in the first quarter of 2018. Once endorsed by both co-legislators, the updated EPBD will be published in the Official Journal of the Union. Member States will have to transpose the new elements of the Directive into national law after 18 months. Here the key elements of the EPBD:

- Member states are now required to establish long-term renovation strategies to mobilise building renovation investment and make sure that the EU building stock is decarbonised by 2050.
- National plans will have to include milestones for 2030 and 2040 and define "measurable progress indicators" such as renovation rates.
- National voluntary energy performance databases will be created to allow national governments to file data collected through energy performance certificates.

Energy Efficiency Directive

The ITRE Committee of the European Parliament approved the report on the EED with a narrow majority (33 votes against 30, with 2 abstentions). The report includes a 2030 binding 40% energy efficiency target, with binding national targets. The Plenary of the European Parliament will vote on the EED in January. However, the outcome of the vote is not clear yet, also due to the tight vote in the ITRE Committee and divisions inside many political groups.
The entire trajectory of the report was very complex: Adam Gierek, the rapporteur of the Socialists & Democrats (S&D) in charge of the report, suggested only a 35% target against the indications of his group and in the end proposed amendments against its own report. Therefore, the S&D decided to replace him with Miroslav Poche (CZE) for the negotiations with the Council. The final result might be that, even if the report will be approved, the mandate and negotiating position of MEP Poche will be weaker. The European Commission is proposing a binding 30% target at EU level without national targets, while the Council is only asking for an indicative 30% target at EU level.

3. Policy News from China

The State Council of China emphasizes energy conservation of buildings and promotes prefabricated and steel-structured buildings

In January 2017, upon the approval of Premier Keqiang Li, the State Council of People's Republic of China issued the '13th Five-Year Plan for Energy Conservation and Emission Reduction', which clearly defined the main objectives and key tasks for the energy conservation and emission reduction in the '13th Five-Year Plan'. The document explains the comprehensive plan for the energy conservation and emission reduction in 12 major aspects, including optimizing industrial and energy structure, strengthening energy conservation in key areas, strengthening emission reduction of major pollutants, developing circular economy, implementing energy conservation and emission reduction projects, etc. The document includes contents in the field of industry, construction and agriculture. For the field of construction, there are following points:

1. Implementing the action of building energy efficiency leader with leading standards, carrying out pilot projects of ultra-low energy consumption and near-zero energy consumption building constructions and promoting distributed building roof photovoltaic power generation.
2. Developing 'Green building standards' and carry out demonstrations of green and ecological city constructions. By 2020, the proportion of urban green building area to new constructed buildings area shall be increased to 50%.
3. Implementing green building industry chain development plan, implementing green construction methods and promoting energy-saving green building materials, prefabricated and steel-structured buildings.
4. Strengthening the energy-saving renovation of existing residential buildings, achieving a renovation area of 500 million square meters. By 2020, completing the energy-saving renovation of urban residential buildings in northern area.
5. Promoting the construction of pilot energy-saving-reformed cities, encouraging the simultaneous implementation of energy saving renovation, aseismic reinforcement and elderly-oriented renovation of old houses. Completing the renovation area of public buildings for more than 100 million square meters.

6. Promoting the use of solar energy, shallow geothermal energy, air heat, industrial waste heat, etc. to meet the energy consumption needs of buildings.

Leading institute: Ministry of Housing and Urban-Rural Development of People's Republic of China
Participating Institutes: National Development and Reform Commission, Ministry of Industry and Information Technology, State Forestry Administration, State Administration of China.

Source: Documents from State Council of China

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