

VIPA International Session during IVIS 2021
Monday, 11 April 2022, from 16:00 to 17:30
Brunel University London, UK

Event Programme

Welcome and introductions by moderator Tom Heckard (CSafe Global)

Ronald Ellebrecht (va-Q-tec): VIPs as super insulation in urban spaces using the example of the "Grand Tower" in Frankfurt/Germany

Abstract: in times of population growth, urbanisation and scarce living space in cities, the demand for sustainable and effective, space-saving insulation materials in the building sector is constantly growing. Vacuum insulation panels (VIPs) meet these demands for modern building insulation, because they insulate up to 10 times better than conventional insulation materials. They are an ideal material for optimal insulation where space is limited or - as in the case of the Grand Tower in Frankfurt – when a maximum of living space is to be achieved. The skyscraper with 172 metres high and 401 flats is in the heart of Frankfurt's banking metropolis located. In this project sections of the façade were insulated with vacuum insulation panels (VIPs) from va-Q-tec.

Hideji Kawarazaki (Panasonic): Development of a new Vacuum Insulated Case for temperature-controlled transportation of pharmaceuticals

Abstract: in recent years, a greater number of products with high medicine fees, biopharmaceuticals, and cell and gene therapy products for which changes in temperature should be considered, have been distributed in the market. We aim to achieve the quality of distribution that meets strict requirement in accordance with GDP guidelines by the new developed VIC cooling box. VIC is the vacuum insulation technology adopted new materials which make it possible to be formed into a three-dimensional shape like a BOX, maintain high insulation performance for a long time, and secure the traceability by wireless communication.

Sebastian Baars (Vaku-Isotherm): VIPs for terrace insulation - Marina Apartments - Regensburg

Abstract: Terraces and balconies in apartments have become more and more popular. For the rooms underneath those balconies the balcony is the roof. To meet current standards in terms of energy efficiency it is then required to insulate the roof effectively. VIPs are a great product for this application as it is the only product which maintains the insulation requirements as well as it does not affect the height of the balcony. It therefore also efficiently saves costs in comparison to other architectural possibilities. The presentation shows a use case of a new hotel building in Regensburg/Germany.

Debate with audience

Speakers' bios:



Ronald Ellebrecht, va-Q-tec AG

Ronald Ellebrecht has been working in sales for various companies in responsible positions in the construction industry for over 25 years. Since summer 2015, he has been responsible for the sales activities of building products at va-Q-tec AG in Würzburg.

va-Q-tec is a dynamic high-tech company that has been pioneering in the development of innovative solutions in the insulation industry since 2001 on the basis of energy efficient, space saving and environmentally friendly vacuum insulation panels (VIPs).



Hideji Kwarazaki, R&D Department Manager, Panasonic

Hideji Kwarazaki joined Panasonic in 2004 in Osaka in the Plasma Display Panel Division. He is managing the R&D Department in Shiga since 2014. Prior to Panasonic, Hideji worked for Mitsubishi Electric Cooperation in Kyoto. He graduated with a Master of Energy Science from the Kyoto University in 1998.



Sebastian Baars, CEO, Vaku-Isotherm GmbH

Sebastian Baars is the CEO of Vaku-Isotherm since more than 6 years. He is also the President of VIPA International since 2020. Prior to his role at Vaku-Isotherm he worked for several medical device manufacturers where he managed the Industrial Engineering and Maintenance team. Sebastian graduated at the Technical University in Munich with a Masters of Science degree.