Vacuum Insulation Panel Association - Animation

- Intro -

Climate change is a major challenge for our international community and the world.

Combating climate change and mitigating its adverse effects is one of the highest priorities for many governments.

And so, boosting energy efficiency and promoting energy efficient products is key for tackling climate change.

A perfect example of an energy efficient product is a 'Vacuum Insulation Panel'.

- Scene One -

A Vacuum Insulation Panel or VIP for short, is a revolutionary insulation product that is already fighting back and tackling the negative effects of climate change by stopping valuable loss of energy from many everyday appliances, products, homes and large buildings.

- Scene Two -

VIPs are ultra-thin, high-performing insulation materials that consist of a rigid, highly-porous core material encased in a thin, gas-tight outer envelope, which is evacuated and sealed to prevent outside gases from entering the panel.

- Scene Three -

VIP's are much more effective than traditional insulation products.

- They are high performing thermal insulation panels with a thermal conductivity 5 to 10 times better than other conventional insulation materials.
- In consequence the thicknesses of the insulation can be reduced by a factor of 5 – 10 as well. This ends up in increasing volume capacity of applications for which a lack of space for insulation thickness is an issue. They have a very stable, long-term thermal performance when installed correctly and protected from damage and penetration.

- Scene Four -

VIPs have been used in appliances like freezers and fridges for decades. Now with advances in materials science and increased attention on the energy efficiency of buildings, VIP products are being broadly applied in many more industries.

- They are used in buildings, including roofs, floors, facades and walls, contributing to reducing space and use of energy;
- In the transport sector, for refrigerated trucks and transportation systems, as well as in trains, ships and airplanes; solving issues of particular space constraints;
- In home appliances, like refrigerators, freezers and water boilers, increasing their energy efficiency and their usable internal volume;
- And in temperature-controlled packaging for medical and pharmaceutical industries, vending machines and cold store units, contributing to keeping valuable materials in optimal conditions and keeping the containers compact.

- Scene Five -

The Vacuum Insulation Panel Association is a not-for-profit global association that brings together VIP manufacturers and suppliers as well as academia from all around the world.

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Created in 2014 the association works with legislators and other stakeholders to defend the industry, promote quality and raise awareness to its advantages.

- Outro -

We invite all those that are not yet associated with VIPA to get in touch with the secretariat or any board member to better understand the membership advantages and conditions.

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