

## PHYSEE Raises EUR 1.5M to Accelerate Development and Sales of Transparent Smart and Sustainable Building Facade Solutions.

- The company's PowerWindow and SmartWindow technologies bring architects, developers and investors in their demand for smart and sustainable buildings with maximized daylight and no compromise on architectural design.
- Speaking from the Smart Cities New York Conference PHYSEE founders, Ferdinand Grapperhaus Jr. (CEO) and Willem Kesteloo (CFO), stress the need to look at buildings from a human perspective since we spend 90% of our time inside those buildings.
- The funding from top tier Dutch real-estate industry leaders will support strategic partnership initiatives and extensively scale-up sales and marketing.

PHYSEE Group B.V., the tech company behind the PowerWindow and SmartWindow, smart electric generating windows, today announced that it has raised EUR 1.5M (\$1.85M) with a specifically assembled Clean-Tech Real Estate Consortium. The consortium is a one-time combination of Dutch real-estate industry leaders, Daan van der Vorm (Vorm Ontwikkeling), Coen van Oostrom (Edge Technologies), Job Dura (Dura Vermeer Group), the Van Veggel Family (Timeless investments), and tech company builder and serial investor Dinko Valerio (CRXL).

Speaking from the Smart Cities New York Conference, PHYSEE CEO Ferdinand Grapperhaus Jr. said: "A sustainable future simply must include a better view on how we develop and utilize the buildings we spend 90% of our time in. Because we spend so much time in buildings they are responsible for 40% of the global electricity consumption. At PHYSEE our mission is to make buildings *comfortable self-thinking power plants*. To pursue that purpose, we have a highly-driven R&D department developing different technologies to disrupt the real estate industry. Simultaneously we develop strategic partnerships with those corporates, real estate developers and portfolio owners, which are willing to play their part in the energy transition of the built environment. Our PowerWindows will make the building facade and all its modern electricity consuming technologies autonomous and our SmartWindows can turn every old building in a well-insulated smart building ready for the future. This is what makes us so passionate about realizing the untapped potential of glass facades."

PHYSEE will use the investment to scale-up the production of its products and to further develop currently patented lab-scale technologies. Next to that the investment will enable the company to expand beyond the Dutch construction and renovation market and roll-out subsequently in large European and overseas cities. The key is to expand the rapidly growing community of building owners, developers and tenants adopting Power- and SmartWindows in their portfolio in order to make the build environment contribute impactful to one of the United Nations' 17 Sustainable Development Goals, "*Make cities inclusive, safe, resilient and sustainable*".

Daan van der Vorm, CEO Vorm Ontwikkeling, board member of the Dutch Green Building Council and lead investor of the consortium said: "Scalable real estate solutions that improve building's energy consumption and contribute to the productivity of the labour force, have mass application potential and therefore immense opportunities to make our living environment #ParisProof. Its development is challenging, due to a conservative industry relying on numerous stakeholders not accustomed to change. Therefore, we want to set the example by taking the lead together with PHYSEE."

Coen van Oostrom, CEO and Founder of OVG Real Estate and Edge Technologies, commented: "PHYSEE is transforming the way smart buildings will be perceived and they have developed the first technologies to make impact on both energy efficiency and building user experience without compromising on architectural design. I observe that our industry is lacking in technological disruption and I am working hard to activate all stakeholders in time to make the difference. Supporting the further development of this technological company, intrinsically motivated by designing a cleaner and more comfortable built environment, fits that ambition perfectly."

Bas van Veggel, Managing Partner at Timeless Investments, highlighted: "We invest in entrepreneurs. Creative young people who have limitless pioneering ambition to make the world more sustainable, smart and comfortable. We see that PHYSEE works on unique and innovative technologies that can no longer be ignored, now and in the future, in the built environment. We are happy to provide financial resources, network and knowledge to further shape product development and international expansion. "

Willem Kesteloo, PHYSEE co-founder and CFO, concluded: “It is not good enough anymore to develop and build our environment the way we’ve been doing for decades. The status quo says that a building is smart when it has a climate app. The challenge is to ask yourself which decisions your building can make for you and what data it needs to make those decisions. We know we can take the combination of smart and sustainable to the next level by human-centred designing of personalized, comfortable and self-powered sustainable environments.”

#### **About PHYSEE**

Based in Delft, PHYSEE is a Delft University of Technology spin-off from 2014 founded by Willem Kesteloo and Ferdinand Grapperhaus. Since then the tech company has successfully supplied various real estate projects with their electricity- and data generating glass products: PowerWindow and SmartWindow, as the Rabobank head-office in Eindhoven and the Goede Doelen Loterij headquarters in Amsterdam PHYSEE won the Dutch start-up of the year award in 2014, Europe’s best energy start-up in 2015 and the World Postcode Lottery Green Challenge (EUR 500k) in 2016 and became World Economic Forum Technology Pioneer in 2017. As owner of a growing self-developed patent family and employer of 20+ engineers, the young tech company demonstrates that Research & Development can be exciting while having impact.

[www.physee.eu](http://www.physee.eu)

#### **Contact**

[press@physee.eu](mailto:press@physee.eu)