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Audience: national en regional newspapers, investors, real estate, construction, sustainability, trade/ business magazines, TV, R&D community, students, travelling, hotels and guests, peers en prospects

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## Nearly zero energy Hotel Breeze wins the EZK Energy Award 2019

*Amsterdam, 05 February 2020*

**Hotel Breeze has won on Thursday 30 January 2020 the EZK Energy Award 2019, handed out by the Ministry of Economic Affairs and Climate.**

Hotel Breeze is equipped with the innovative and progressive Earth, Wind & Fire (EWF) concept. This biomimicry concept simulates the natural air conditioning of a termite hill. Optimal use is made of wind, water, sun and the earth, natural elements that ensure natural air conditioning throughout the building. It is a pioneering and ground-breaking eco-technology in which the natural elements are cleverly combined with innovative high-tech technology.

### **EZK Energy Award 2019 for Earth, Wind & Fire concept at Hotel Breeze**

The EZK Energy Award is awarded every year to organisations that stand out in the crowd in the way they manage renewable energy generation and saving.

That Hotel Breeze emerged as the winner of the 2019 EZK Energy Award for Companies can be attributed to a combination of the inspirational Earth, Wind & Fire concept, traceability and scale-up options. "They took all three initiatives to the next level, outstripping the rest," according to the jury.

This biomimicry concept was implemented in hotel Breeze. It simulates the natural air conditioning of termite hills. This concept, by which technology and nature are connected, simulates the natural air conditioning of a termite hill. The inside of these termite hills is always at constant temperature, irrespective of location: even in a

desert setting, for example, where the daytime temperature can climb to 40 degrees Celsius and cool at night to under freezing point, the temperature remains constant. Termites regulate this swing by controlling the air flows.

See how Hotel Breeze became energy-neutral in this [video \(URL link\)](#)

## **Earth, Wind & Fire: heating or cooling as required**

Translating this termite technique into sustainable technology resulted in the notion of Earth, Wind & Fire, a unique concept originating from research undertaken in 2013 by Ben Bronsema, together with the Dutch technical universities of Delft and Eindhoven.

“Wind is circulated through the hotel by air from outside that flows into shafts and vents, heat and humidify the air in the winter, and cool it in the summer” explains Dr BSc Bronsema, consulting engineer and teacher/ researcher at the Engineering & Architecture faculty of the Technical University of Delft.

Visit the website <https://www.amstelius.nl/en/hotel-breeze/> for background info on the Earth, Wind & Fire concept, or watch the following 3D animation: [video \(URL link\)](#)

## **“Green Luxury is the new norm”**

“We have used innovative eco-technology to design a progressive and sustainable hotel that would push the standard for sustainable buildings to the next level,” said Maarten Eldering, director Amstelius B.V.

This resulted in a total sustainability EPC rating of 0 and a BREAAAM Excellent certification.

END of PRESS RELEASE

## Note to the redaction

With downtown Amsterdam only 15 minutes away, Hotel Breeze has opened its doors in 2019 to guests in search of an eco-comfort and luxury hospitality experience at the first nearly zero-energy hotel in the world.

Hotel Breeze is located at the Bert Haanstrakade 1074 in Amsterdam-IJburg.

This luxurious hotel offers 195 premium-quality guest rooms. The charming and elegant urban green restaurant with a sunny terrace at the harbour, stylish skybar with spacious balcony on the 10<sup>th</sup> floor command a magnificent view of the picturesque IJmeer. Numerous multifunctional boardrooms make the ideally-located hotel in the capital's new municipal district of IJburg a logical meeting point for the business community. For the environmentally inclined, this high-tech sustainable, smart building with eco-technology is largely self-sufficient, making optimal use of natural elements such as wind, water, sun and the earth.

Hotel Breeze was developed by an alliance of Amstelius B.V./ Dutch Green Company N.V. and Borghese Real Estate B.V. in co-creation with hotel operator Hotel Breeze Amsterdam.

## Would you like to know more?

- Nearly zero energy Hotel Breeze: [hotelbreeze.nl](https://hotelbreeze.nl)
- EZK Energy Award 2019 (companies):  
<https://www.rvo.nl/actueel/nieuws/hotel-breeze-en-gemeente-oostzaan-winnen-ezk-energy-award-2019>
- Images: [download artist impressions](#)
- Website Ben Bronsema: <https://bronconsult.org/>

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