



Smart vent

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## IOT AIR VENTS IN HOMES ADAPT TO HUMIDITY AND WEATHER

 PROPERTY & CONSTRUCTION

**An affordable smart air vent is designed to replace airbricks in homes, using weather data to open or close for efficient heating without compromising air quality.**

Smart devices in the home are usually considered luxury items. At Springwise we have seen smart devices being used to [extend a home's capability](#) and [provide personal security](#). However, [AirEx](#) have now developed a smart device with affordability in mind.

AirEx is a smart, connected air vent which replaces air bricks in houses with poor insulation. It features smart sensors to monitor temperature, humidity and air quality. It also connects to the internet via the user's modem, making it an IoT (Internet of Things) device. This enables AirEx to read local weather data to ensure efficient functionality of the device's features.

Additionally, the device uses AI algorithms to analyse its data. It ensures the opening and closing mechanism on the device maximises home insulation while also maintaining good air quality. The information is available via a dashboard app. The software will flag up if there is persistently bad air quality in a home so that improvements can be made. AirEx claims that users can save 10 to 15 percent on their energy bills meaning the smart vent pays for itself within 2-3 years of use.

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Website: [www.airex.tech](http://www.airex.tech)

Contact: [www.airex.tech/contact](http://www.airex.tech/contact)

## **Takeaway:**

AirEx has taken the potential of the IoT network and applied it to a common problem. It can improve the quality of life for homeowners, even those living in fuel poverty. Tech such as low energy bluetooth makes connected devices simple and affordable to install. Could other simple, connected smart devices similarly impact users' lives?