



PRESS RELEASE

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## JonDeTech granted a patent for presence detection

**JonDeTech has been granted a new patent by the Swedish Patent and Registration Office in the area of presence detection. The patent relates to a method and system for detecting a human being.**

Presence detection is the ability to detect if a person is physically present within a particular area. Passive IR sensors in conjunction with smart algorithms are used for contactless detection of the IR radiation that is emitted in the form of body heat.

The patent is a key feature to get computers in power save mode when a user leaves their desk, or for waking up the electronics in displays when a person approaches. Other possible applications include smart IoT solutions where the heating and ventilation systems can be controlled based on the actual occupancy of an office landscape, or to optimize the air conditioning and sound systems in a vehicle depending on where the passengers are seated.

- This patent can be used for a wide range of innovative solutions to increase the degree of energy efficiency in society. Examples include the projects we have been running together with Ofilm for some time to extend battery life in laptops and smart door locks. But the needs and opportunities are far greater than that, says Karin Thurberg, Chief Product Officer JonDeTech.

The method on which the patent is based provides a dynamic and self-adjusting system that adapts to changes in the environment to avoid both false positive and false negative signals during presence detection. The patent, which has number SE543333C2, refers to the Swedish market but will over time be extended to other markets such as China, Europe, Japan, Singapore, Taiwan and the US.

**For further information, please contact:**

**Karin Thurberg**, Chief Product Officer JonDeTech, mob: +46 73 920 80 56, mail: [karin.thurberg@jondetech.se](mailto:karin.thurberg@jondetech.se)

### About JonDeTech

JonDeTech is a Swedish company that develops and sells patented IR sensor technology based on nanotechnology. The company's IR sensors are down to a tenth as thick as conventional sensors, built in plastic and can be manufactured in high volumes at a low cost, which enables a variety of applications. The company is listed on the Nasdaq First North Growth Market. Redeye is the company's Certified Adviser, +46-8-121 576 90, [certifiedadviser@redeye.se](mailto:certifiedadviser@redeye.se), <https://www.redeye.se>. Read more at [www.jondetech.se](http://www.jondetech.se) or see how the IR sensor works at <https://www.youtube.com/watch?v=mORloeCxbPE&t=122s>



är ett svenskt företag som utvecklar och marknadsför patenterad IR-sensorteknik som bygger på nanoteknologi. Bolagets IR-sensorer är ned till en tiondel så tjock som konventionella sensorer, byggda i plast och kan tillverkas i höga volymer till en låg kostnad, vilket öppnar för en mångfald av applikationer. Bolaget är noterat på Nasdaq First North Growth Market. Redeye är bolagets Certified Adviser, 08-121 576 90, certifiedadviser@redeye.se, <https://www.redeye.se>. Läs mer på: [www.jondetech.se](http://www.jondetech.se) eller se hur IR-sensorn fungerar på: <https://www.youtube.com/watch?v=mORloeCxbPE&t=122s>.