

Gesture-controlled in-ear headphone by Acconeer, Imagimob and OSM Group soon ready for commercialization

As [announced last year](#), Acconeer, Imagimob and OSM Group are working together on gesture-controlled in-ear headphones. A working prototype will be available in Q1 2021, and the platform is soon ready for commercialization. Selected customers can now schedule exclusive demos of the prototype.

Gesture control is a perfect fit for in-ear headphones, since the earbud is small and not visible for the user, which makes physical buttons difficult to use. With the small footprint of Acconeer's A1 radar sensor, and the efficient AI software by Imagimob, it is possible to get it into a device as small as the in-ear headphone.

The project combines Imagimob AI SaaS solution and its world-leading expertise in Edge AI with Acconeer's high-accuracy, low-power radar sensor in a hardware designed and manufactured by OSM Group. The aim is to provide a solid platform targeting headphone companies looking to bring gesture-control into in-ear headphones to the market in a short time, while keeping accuracy and robustness high. However, the software and hardware platform developed in the project can also be used in a wide range of other electronic devices to implement gesture control.

Gesture control and touchless user interfaces has become a hot topic as the pandemic has swept over the world. The touchless gesture control market is primarily driven by factors such as rising hygiene consciousness and low maintenance cost. Touchless interfaces in addition to gesture controls are becoming widely popular as they provide the abilities to interact with devices without physically touching them.

The project is part of the strategic innovation program Smarter Electronic Systems – a joint investment by Vinnova, Formas and Swedish Energy Agency.

Imagimob and Acconeer are both showcasing at the all-digital [CES 2021](#) January 11-14.

[Video](#)

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About Acconeer AB

Acconeer is a leading radar sensor company based in Lund, south Sweden, in Ideon, the country's hottest region for wireless technologies. Acconeer is developing a truly leading ultra-low power, high precision 3D sensor which will revolutionize the way that mobile devices interpret their surroundings. Acconeer's ultra-low power and millimeter precision sensor will be a robust and cost-effective solution for applications ranging from virtual reality and gaming to security and robot control. Information from the sensor can also be used to identify different materials, these are just some examples of the wide range of possibilities of application areas for the sensor. Acconeer is listed on Nasdaq First North Growth Market with the ticker code ACCON, Redeye is the company's Certified Advisor (CA) and can be reached via telephone +46 (0)8 121 576 90 or via mail certifiedadviser@redeye.se. For more information: www.acconeer.com.

About Imagimob

Imagimob is a pioneer in Edge AI and tinyML. The company was founded in 2013, and has been working with Edge AI ever since. Imagimob offers Imagimob AI, a SaaS solution for fast and easy end-to-end development of Edge AI applications for edge devices with constrained resources. Imagimob is located in Stockholm, Sweden. For more information: www.imagimob.com

About OSM Group

OSM is a leading developer and manufacturer of technically advanced electronics products and soft goods. Established more than 20 years ago in Sweden, our Scandinavian heritage influences our sense of purpose to deliver inspired design, robust manufacturing and ethical conduct that is beyond reproach. We operate our own factories in Asia for total control of the manufacturing process and have developed an exceptional global supply chain that delivers value and choice.