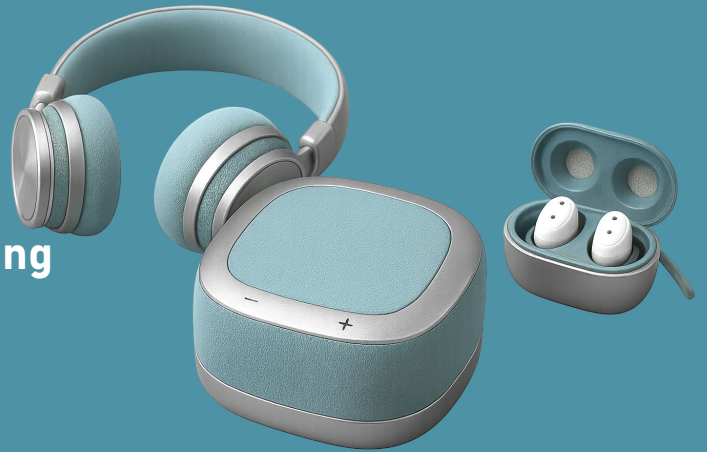


## Pioneering Excellence in Audio, Software & DSP Engineering



### Who We Are

OSM Group is a leader in audio innovation, specializing in the design, engineering, and manufacturing of premium speakers, headphones, hearing protection, and advanced digital signal processing (DSP) solutions.

With decades of expertise, we create cutting-edge products that deliver superior sound quality, durability, and user experience. Our seamless integration of acoustics, software, firmware, and material science ensures that our clients receive best-in-class solutions tailored to their market needs.

### Our Expertise in Audio, Software & Hearing Protection

We provide end-to-end product development services, from concept ideation to mass production, ensuring high-performance audio and hearing protection products that meet rigorous industry standards.



### Acoustic & ANC

We have been doing acoustic engineering and ANC for a long time. Of course we have a full suite of audio measurement and development equipment, simulation software etc. But more importantly we know how to use it and we know from experience what works and what to keep in mind.

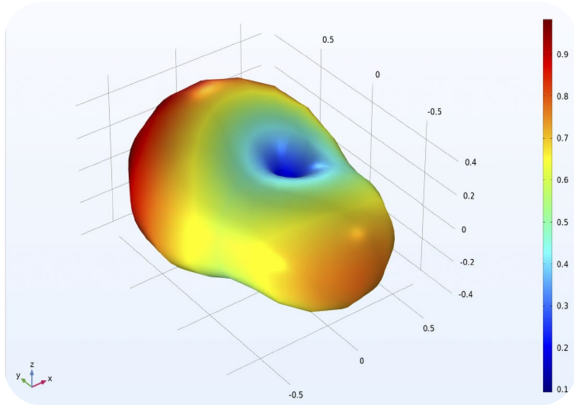
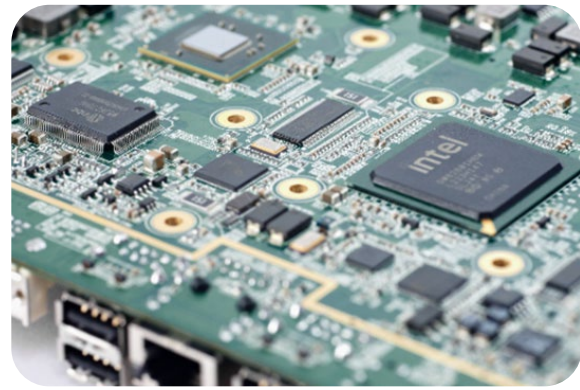
We work with partners to develop the appropriate speaker drivers and our team of engineers work together to bring acoustic engineering, mechanical engineers, electronics and DSP together as a cohesive team to deliver optimal acoustics.

We have experience with ANC (FF, FB, Hybrid, Analog and Digital) as well as hear-through, custom filtering, DSP development, VOX buffering and much more.

# Analog, Digital and mixed mode electronics

We are experts in electronics development, covering high speed digital electronics, analog electronics, mixed mode designs, power electronics, etc.

In addition to CAD software we also have advanced simulations tools and fully equipped test and measurement labs for efficient development.



## RF & Antenna design

We know RF and antenna design. Both in theory and practice and can both simulate and measure the electronics and antenna including surrounding dielectrics.

With experience from both analog and digital UHF and VHF transceiver AM/FM/DAB receivers as well as Bluetooth, BLE, GPS, WiFi, BT, LoRA etc we can help you with your design and get it right from the start and make sure performance is good and to pass all regulatory and IOP testing.

## IS, ATEX & harsh environments

Products should last and be safe to use!

We are experienced in developing products for tough environments and usage. This includes highest ATEX/IS classification for transceivers and battery packs. But also more conventional IPx requirements for durable sports consumer products



## SW, FW, DSP Programming

Our software development department can handle complex real-time embedded development and DSP development and ML projects as well as more conventional platforms.

Working with modern tools and automated build and unit testing methods to validate code and complex dependencies and real time systems to build robust products.

## Mechanical Engineering

Working closely with industrial design, customers and other disciplines such as electronics and, acoustics, our in-house team of mechanical engineers develops the full mechanical design of the product all the way from initial prototypes to tool verification.

We have experience from small complicated items such as true wireless headphones to explosion proof industrial electronics.

Design for manufacturing is embedded in the work and our mechanical engineers work closely with production engineering to ensure that the product does not only meet customer requirements but can also be manufactured.

## Speakers

We design and manufacture high-fidelity speakers for consumer and professional use, offering unparalleled sound quality:

- **Portable & Smart Speakers** – Compact, wireless solutions for on-the-go audio.
- **Waterproof & Outdoor Speakers** – Rugged designs for all environments, ensuring durability without compromising sound.
- **Custom OEM & ODM Solutions** – Fully tailored speakers designed to meet specific brand requirements.

## Headphones & Earbuds

Our expertise in audio engineering allows us to develop premium headphones and earbuds with precision-tuned sound and exceptional comfort:

- **Active Noise Cancelling (ANC) Technology** – Immersive listening with industry-leading noise cancellation.
- **Wireless Connectivity** – Advanced Bluetooth and Aroha chip solutions for seamless audio streaming.
- **Ergonomic & Durable Designs** – Designed for long-term comfort and robust performance.
- **Custom Audio Profiles** – Tailored sound settings to enhance user experience.
- **Smart Audio Features** – AI-driven adaptive EQ, voice enhancement, and real-time noise suppression.

## Hearing Protection & Communication Devices

Our hearing protection solutions are engineered for industries that demand safety without compromising communication clarity:

- **Electronic Hearing Protection** – Noise reduction technology that preserves situational awareness.
- **Industrial & Military-Grade Headsets** – Built for high-noise environments with superior durability.
- **Custom-Tuned Audio Profiles** – Optimized for speech intelligibility and hearing safety.
- **Wireless Communication Integration** – Seamless connectivity for mission-critical operations.

## Advanced Digital Signal Processing (DSP) Capabilities

Our DSP expertise allows us to create state-of-the-art sound engineering solutions that enhance user experience across various applications:

- **Adaptive Noise Cancellation (ANC)** – Intelligent filtering that dynamically adjusts based on environmental conditions.
- **Beamforming Microphone Arrays** – Superior voice isolation and clarity for communication devices.
- **3D Spatial Audio & Binaural Processing** – Creating immersive, high-fidelity audio experiences for gaming, AR, and VR applications.
- **Low-Latency Audio Processing** – Optimizing synchronization for wireless audio applications.
- **Voice Enhancement & AI Processing** – Crystal-clear voice pickup for call clarity and voice assistant applications.

# Software & Firmware Development

At OSM, we recognize that modern audio products require cutting-edge software and firmware to drive innovation and differentiation. Our capabilities include:

- **Embedded Software & Firmware Engineering** – Developing robust, low-latency software solutions optimized for audio performance.
- **Aroha Chip Integration** – Expertise in Aroha-based DSP solutions to optimize Bluetooth connectivity and power efficiency.
- **Real-Time Signal Processing** – Implementing real-time DSP algorithms for noise cancellation, echo reduction, and sound enhancement.
- **Cross-Platform Compatibility** – Seamless integration with Android, iOS, and proprietary ecosystems.
- **OTA (Over-the-Air) Updates** – Enabling remote firmware updates for enhanced product functionality and user experience.
- **AI & Machine Learning in Audio** – Adaptive audio processing for intelligent noise filtering, voice recognition, and environment-aware sound optimization.

## Why Choose OSM for Audio & Software Innovation?

- **Acoustic Engineering Excellence** – World-class sound design tailored for clarity, depth, and immersive audio.
- **Customizable & Scalable Production** – Tailor-made solutions from small batch prototypes to large-scale manufacturing.
- **Industry-Certified Manufacturing** – Compliance with international audio and safety standards such as CE, FCC, and ANSI.
- **Global Reach, Local Expertise** – Manufacturing facilities in China, and the Philippines, with R&D in Sweden & China, ensure seamless production and distribution.
- **Sustainability in Design & Materials** – Eco-conscious development that incorporates sustainable materials and processes.
- **Future-Ready Technology** – Advanced firmware and software integrations that enable AI-driven enhancements and over-the-air feature updates.

## Partner with OSM for Your Next Audio & Software Breakthrough

Whether you're developing next-generation headphones, speakers, hearing protection, or sophisticated DSP-driven solutions, OSM Group provides the expertise, resources, and innovation needed to bring your vision to life. Our commitment to excellence ensures that every product meets the highest standards of performance, comfort, and durability.

Contact us @ [contact.osm.group](mailto:contact.osm.group) today to explore how OSM can elevate your audio technology to new heights.

## We Do Engineered Soft Goods + Electronics



## Our Expertise in Engineered Soft Goods + Electronics

Our ability to blend cutting-edge electronics with high-quality soft goods set us apart, enabling us to deliver innovative, durable, and user friendly products.

## Comprehensive Solutions Under One Roof

### Integrated Design and Manufacturing:

We combine product design, development, and manufacturing in a seamless process, reducing transition times and ensuring better communication across teams. Comprehensive solutions from ideation to final production, reducing time-to-market.

### End-to-End Support:

From initial concept ideation to market-ready production, OSM handles every stage of the product lifecycle, minimizing the need for external vendors and simplifying your workflow.

## Expertise Across Diverse Capabilities

### Engineering Excellence:

Our teams specialize in advanced fields like acoustics, RF electronics, DSP programming, and durable product design for harsh environments.

### State-of-the-Art Techniques:

- Forming: EVA molding for lightweight, durable designs.
- High-Frequency Welding: Watertight construction for rugged applications.
- Heat Press Bonding: Seamless finishes for premium aesthetics.
- Cut & Sew: Precision stitching for soft goods.

## Proven Track Record

### Trusted by Industry Leaders:

With over 19 years of experience and more than 400 million products delivered, we've partnered with top global brands to create innovative, high-quality solutions.

### Diverse Portfolio:

From rugged outdoor products to cutting-edge consumer electronics, OSM delivers products that meet unique client requirements.

## Speed and Efficiency

### Integrated Design and Manufacturing:

Our integrated processes and in-house capabilities minimize development and production delays.

### Streamlined Communication:

With design and production teams working in tandem, we ensure faster issue resolution and project alignment.

## Commitment to Sustainability

### Eco-Friendly Innovations:

We integrate recycled materials, biodegradable components, and sustainable production processes into our designs, helping clients reduce their environmental footprint.

### Future-Forward Thinking:

By adopting sustainable materials and practices, OSM aligns with global eco-conscious trends, making your products stand out.

## Global Reach with Local Expertise

### Strategic Locations:

With production facilities in China, the Philippines, and R&D hubs in China & Sweden, OSM delivers a unique combination of local insight and global scalability.

### Proximity to Markets:

Our presence in key manufacturing and logistics hubs ensures faster delivery and better cost efficiency.



# Flexibility for Medium-Volume, High-Complexity Projects

## Tailored Solutions:

We specialize in medium-volume projects that are too complex for standard manufacturers and too small for major players. This allows us to focus on delivering precision and innovation.

## Adaptability:

Our processes are customized to meet specific client needs, whether for prototyping, small-batch production, or full-scale manufacturing.

# Exceptional Customer Support

## Collaborative Approach:

We work closely with our clients, aligning our capabilities with their goals to ensure successful outcomes.

## Future-Forward Thinking:

## Reliability:

With dedicated account teams and rigorous project management, OSM delivers on time and exceeds expectations.

## Let's Build Together

Partner with OSM to design, develop, and deliver exceptional products that stand out in a competitive marketplace. Contact us @ [contact.osm.group](mailto:contact.osm.group) today to start your journey.

### Stockholm

OSM Group AB  
Rosenlundsgatan 54,  
Stockholm,  
Sweden,  
SE-118 63

TEL: +46 8 545 143 50

### Huizhou

OSM Huizhou Limited  
A02 Taixiang Road,  
High-tech Industrial Park,  
Sandong Town,  
Huicheng District,  
Huizhou,  
Guangdong Province,  
P.R.C.  
516025

TEL: +86 (0)752 2029 991

### Hong Kong

OSM HK Limited  
Unit 01-03 & 08-10, 28/F,  
Two Sky Parc,  
51 Hung To Road,  
Kwun Tong,  
Kowloon,  
Hong Kong SAR

TEL: +852 2687 5105  
FAX: +852 2690 5600

### Clark

OSM Manufacturing  
Philippines Corp  
Unit 2C,  
Philexcel Annex,  
E Quirino Street,  
Near Sapang Bato Gate,  
Clark Freeport Zone,  
Pampanga,  
Philippines  
2023

TEL: +63 45 499 4303



OSM GROUP



[www.osm.group](http://www.osm.group)