

Sound Technology - the sound of Denmark



An exceptional ability to translate human sensation into technical specifications has given Denmark its prominent position within Sound Technology.

Your company can have access to engineers working within the sound technology industry as well as top class research and universities.

Denmark is a well-established frontrunner when it comes to speaker systems and hearing aids, but some of the better kept secrets are the Danish applications of sound technology within industries and products where sound technology itself is the comparative advantage.

Danish expertise within sound technology range from human perception of speech and sound, through hearing, loudness, hearing loss to computer aided speech, music recognition and optimised transducers.

Let us introduce three areas of expertise where Danish Sound Technology can be applied within - and thereby creating added value to your company and to your product.

Sound technology in mobile and media platforms

Sound simulation and control

Sound technology in diagnostic & monitoring instruments

Danish sound technology in mobile and media platforms - integration of sound technology in products



Danish global leadership with electric acoustic product development and re-search. You will find superior know-how of sound in electronic devices whether your interest is in miniature microphones, amplifier technology, active room control or the latest 3D audio software competencies within Danish industry.

- Pulse - Developing acoustics for mobile phones e.g. iPhone
- AM3D - Acoustic software for portable devices
- DPA Microphones - Miniature microphones for industry and entertainment
- B&O ICEPOWER - Fully digital, low power audio IC with stereo class D speaker amplifier, stereo true ground headphone amplifier and high-end digital signal processing functionality.
- AAC Acoustic - One of the world's largest producers of acoustic components for mobile phones and other consumer electronics
- Sonion - Delivers more than 150 million audio components to global mobile phone producers and hearing aid manufacturers
- Dynaudio - Price winning gaming notebook GT 600 series from MSI - due to the audio experience made by Dynaudio
- Sound Focus/Falck - Sound and music as part of anti-stress care in ambulances
- Analog Devices - It provides ASIC solutions designed for embedding into small telecom transducers. The company offers its solutions for miniature microphones, receivers and speakers



Potential user industries are:

Mobile telephone development and -production, PC- and console-games, IT hardware and software, plug-ins, consumer electronics, sound studios and sound production, movies and media, alarm development and production, and within the health care sector.

Listen to Denmark within sound simulation and control - processing of sound

Whether you need vibrations, room acoustic software, the right sound or no sound at all, Danish sound technology is the place for developing and processing sounds. An example could be the sound you hear when you start a Harley Davidson, the familiar sound is designed and tested in Denmark.

Companies in Denmark working with processing of sound:

- Brüel Kjaer - Sound design, creation for e.g. motor vehicle & motor cycle manufacturers
- Delta - Noise reduction in building materials and sound testing (Commercial research lab, worlds best sense lab)
- EC Tunes - Sound creation within electric cars
- B6 Acoustics - Insulation reducing vibration and sound absorption



Potential user industries are:

Auto manufacturers, building material industry, and architectural companies.

The sense of Denmark in measurement, diagnostics & monitoring instruments

- sound sensing techniques in products



Danish competencies within measurement systems through sound technology date back to early 20th century. Today Danish sound technology solutions and innovations within measurement, diagnostic and monitoring instruments are world leading and the technology is applied in products within several industries due to the technology's usability and accuracy.

- B-K Medical - Diagnostic ultrasound systems for a large range of medical applications
- Reson - World leader in the manufacturing of underwater acoustic systems and development of advanced multibeam sonar systems, singlebeam echo sounders and hydrophones
- Acarix - Acoustic usage for measuring heart diseases and blood clots
- Brüel and Kjaer - Internationally renowned within measurement instruments
- G.R.A.S. - Front end acoustic products - measurement instruments
- Noliac - World leading measurement instruments screening poultry & meat for diseases

Potential user industries are:
 Medical appliances, chemical industry, cleantech, and food control and processing industry.

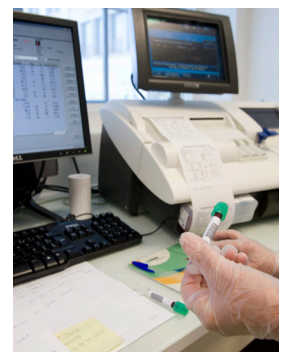
World class research

- Danish universities focusing on sound technology

Close cooperation between Danish universities and Danish as well as international companies is the solid foundation for Denmark's position as industry leader.

Danish research within the field of acoustics range from human perception of speech and sound, through hearing, loudness, hearing loss to computer aided speech and music recognition and optimised transducers.

A growing number of international companies continue to benefit from the Danish public-private partnership model. This includes specialised acoustics training of engineers and university students working with the industry on their master thesis or PhDs.



We speak business

Invest in Denmark provides your company with a tailor-made solution for locating your business in Denmark. We measure our success by how well we contribute to yours. So if your company is considering a business or R&D set-up, or looking to access one of Europe's most skilled talent pools, make us your first stop.

Our specialized staff across the globe has the corporate background, industry insight and well-connected networks to advise you on every aspect of locating in Denmark. Not just when you set up, but also as your business grows. Our tailor-made solutions include connecting companies with key local contacts, arranging fact-finding tours and providing comprehensive benchmark analyses. We make sense of local legislation and advantages of locating in Denmark - all free of charge and in guaranteed full confidentiality.

We look forward to hearing from you

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