

Area of Biz Excellence...

January 2006



ACOUSTICS - A WORLD OF SOUND & SILENCE

Looking for the world's leading acoustic engineers?

Looking for ground-breaking R&D in sound transduction and perception?

Looking for a highly developed and supportive acoustics cluster?

Have a look at Denmark!

It is a Danish tradition to love music, sound and high fidelity. Danish design and manufacturing expertise in audio dates back to the 1920's, and some historians even trace the origins of the modern electrodynamic loudspeaker to Danish engineering innovations. Denmark's formal research traditions in acoustics can be traced back to the early 1940s.

For almost a century, Denmark has built a strong position in acoustics and electro-acoustics around well-known companies such as Brüel & Kjær, Bang & Olufsen, Kirk, Oticon, Widex, Danavox, GN Resound, Peerless, Vifa, Scan-Speak, Jamo, Dantax and others. Several of the products of these companies are related to sophisticated concepts in acoustic communication, and reducing the noise load on people. Human perception of speech and sound, general research on hearing, hearing loss, loudness, annoyance, transducers and related topics have become increasingly important, and in these areas the Danish acoustics cluster is among the world's best.

Acoustic capabilities

- A long tradition for producing widely acknowledged products within loudspeakers and hearing aids
- A critical mass of world-leading industry players
- Internationally recognised quality products
- Denmark's strong brand as a global first-mover within acoustics
- Danish acoustics research has a good reputation and enjoys international recognition - the target education within engineering acoustics at the Technical University of Denmark supports this fact
- Strong private-public cooperation – e.g. ICEpower created by a close cooperation between Bang&Olufsen and the Technical University of Denmark (www.icepower.bang-olufsen.com)

Source: Danish Acoustics,
Voetmann & Madsen, 2005

Danish acoustics with a global impact

- The Danish hearing aid industry and research is world-leading holding 40% of the global market
- GN Netcom is the world's market leader within headsets operating in over 30 countries and selling products in more than 80 countries worldwide
- Scandyna produces high quality speakers which are widely recognized worldwide
- Sonion A/S delivers more than 150 mn audio components to global mobile and hearing aid producers
- Dynaudio A/S delivers more than 70,000 units to the automobile industry
- AM3D A/S delivers audio processing solutions to the world's most advanced fighter jet – Joint Strike
- High degree of innovative activities – e.g. sound engineers and programmers reaching across and beyond new sectors such as the games industry
- TC Electronic is world leader in sound effects and digital processing devices for the music industry

First-class Acoustics Research and Education

One of the main reasons for Denmark's acoustic stronghold is the presence of world-class universities and technical colleges working at the forefront of technological development. The research institutions in Denmark have a long-standing tradition for collaborating with their counterparts worldwide, and for working closely with the business community, domestically and abroad.

Acoustics Science & Research Centres

Aalborg University – Department of Acoustics
<http://acoustics.aau.dk>

Eriksholm Research Centre (William Demant)
http://www.oticon.com/eprise/main/Oticon/com/SEC_AboutUs/AboutEriksholm/_Index

The Technical University of Denmark - Acoustic Technology at Ørsted•DTU
www.dat.dtu.dk

The Technical University of Denmark – Centre for Applied Hearing Research
www.oersted.dtu.dk/Centre/cahr/English.aspx

The University of Copenhagen – Department of Computer Science
www.diku.dk

DELTA (Danish Electronics, Light & Acoustic)
www.delta.dk

Danish Primary Laboratory of Acoustics (Brüel & Kjær)
www.daniamet.dk/dpla/dpla.htm

University of Southern Denmark - Danish Electro Acoustic Centre
www.sdu.dk

Whether your company considers to relocate, consolidate, set up new production facilities, is on the lookout for new R&D partners or other strategic business solutions in Europe, Invest in Denmark is a good place to begin. We provide customised information and services free of charge and in full confidentiality.

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