



Digital HW Engineer

For a thriving audio amplifier company

Are you passionate about digital hardware and do you believe in solution-based thinking and knowledge sharing?

Our team in digital hardware are seeking a new colleague with a cooperative and positive mindset who wants to join the ICEpower culture. A culture where employees and management can talk together on ground level, and where the way from word to action is not a marathon.

In ICEpower we pride ourselves to deliver the highest of quality and performance within the audio business – we are, to say it out loud: as enthusiastic about sound as our customers – we want to be best at what we do!

Although we are a worldwide company, you will be situated in Søborg with our R&D department where a collaboration of 40 skilled and driven engineers within Digital Hardware, Analog Hardware, Power electronic, Mechanic, and embedded software work together every day.

The daily routine in ICEpower. With a coffee from our Italian coffeemaker in the hand, you join a team of 2-15 people, depending on the project's complexity, to make a world-class product. We have many exciting projects in ICEpower, and common to all of them is that we are building them for a specific customer. We have a unique situation where you don't just develop products for one section, or one type – we are challenged to solve issues by being creative and inventive.

Interested? Then take a look below for more details on the role and further qualifications?

The Role

- Digital HW designer for embedded audio solutions
- Develop digital HW for future products
- Assisting in system integration between hardware (digital, analog, mechanic) and embedded software
- Generating documentation according to ICEpower's procedures, including test specifications, schematics, BOMs - all released through our PLM system
- Hands on work in the lab for bring-up, verification and optimizing the products
- Design for- manufacture, test, compliance, Safety & EMC
- Participate in review of electrical design for other projects
- Problem-solve, debug, and improving existing products
- Assisting production in Asia when setting up production of new products
- Travelling is expected, visiting customers & partners world-wide

Qualifications, what are we looking for?

- Bachelor or master's degree in electronic engineering or similar
- Minimum 5 years of relevant experience
- Cooperative mindset and enjoy being part of dynamic project teams
- Fluency in the English language is required

Strong knowledge of:

- High-speed digital hardware design, PCB stack up, signal integrity and power distribution

- Product development flow (spec, design, schematic, PCB layout/support, bring-up, verification, production test documentation)
- Working in a lab, making measurement and verification reports

Experience in:

- Working with DSP, FPGA, MCU, DAC, ADC, DDRx RAM, flash, Ethernet switch/PHY
- Networked communication – networked audio or Audio over IP
- Schematics OrCAD Capture toolchain, CIS, ZIP, EDM or similar
- PCB Layout constrains

Bonus, but not required

Knowledge about:

- PCB layout using Allegro toolchain or similar
- Signal integrity simulation using Orcad SigXplorer or Hyperlynx
- Embedded software, C, C++
- VHDL / Python
- PLM systems like Arena
- Analog Simulation (Spice, LTSpice)
- Passionate about audio in general

What's in it for you?

- Continual learning and exiting challenges with a focus on personal and professional development
- Great and skilled colleagues for daily sparing and socializing
- A company culture based on trust where it is possible to be yourself
- An ICEcool and unique working place with a recently renovated office in Manhattan style, live stage, and coffee shop
- Social events across teams and departments
- Flexible working hours and working from home possibilities
- Attractive pension and company bonus

Sound made powerful

ICEpower develops and delivers superior sound solutions for professional audio industries and end users all over the world. We conduct our business with some of the world's most prestigious brands within the audio and computer industry. We do so to elevate user experience and audio quality through solutions for consumer, professional, home automation, and mobile audio applications.

At ICEpower in Søborg, Denmark, you will join 92 dedicated colleagues.

Additional information and application

Apply for this position by sending your CV and application in English to: job@icepower.dk marked Application for Digital HW Engineer in the subject field.

As we are looking to fill this position as soon as possible, we will be reviewing applications on an ongoing basis.

ICEpower

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powerful**

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