

Advanced Magnetics for Efficient Power Conversion NordMags

THE PROBLEM

Current data centers and HPC solutions utilize low efficiency power distribution systems, with outdated hardware, to power the modern infrastructures, needed for the next generation of AI processors.

OUR SOLUTION

Our startup aims to push the next frontier of power system infrastructure, by providing smaller, high-efficient, and high-density power supply solutions, utilizing advanced magnetics integrations, and semiconductor technologies.

PATENT STATUS

We currently have 1 filed patent in priority phase.

We expect to expand our patent portfolio, in the near future, including advanced magnetic structures and topologies.

FINANCIAL OVERVIEW

We currently have basis development funding and are actively applying for grants and soft-funding, such as DTU PoC and ERC PoC. Our end goal is to be acquired by a larger company.

MILESTONES

- To expand the team, to include a business-oriented co-founder.
- Establish manufacturing and supply-chain partnerships.
- To reach TRL level 5.

TARGET MARKET & CUSTOMERS

We aim to develop a B2B model, in which we provide solutions for larger semiconductor and AI processor companies, to power their next generation products.

THE PROFILE WE ARE LOOKING FOR

Preferred qualifications

- Business oriented
- Experience within startup environments
- Connections within the semi-conductor market

Personal fit

- A strong communicator
- Interested in the power systems and AI market
- Motivated by building a company from an early stage

TASKS & RESPONSIBILITIES (FIRST 3 MONTHS)

- Support fundraising and grant activities
- Develop Business strategy and market analysis
- Establish relevant industry connections

ACADEMIC & ENTREPRENEURIAL BACKGROUND OF CURRENT CO-FOUNDERS

Ziwei Ouyang – Professor in power magnetics.

Jonas B. Andresen – Power electronics PhD student.

Ziliang Wu – Power electronics PhD student.

PHYSICAL ADDRESS

The startup is currently based in Building 325, DTU Electro, floor 2. We are open to remote or hybrid work.



ABOUT OPEN ENTREPRENEURSHIP

Open Entrepreneurship (OE) is a collaboration between all Danish universities aiming to create more research-based startups.

REGISTER YOUR INTEREST

Deadline is November 8th, 2026

www.open-entrepreneurship.com/cofounder/