DTU

In Partnership with Nordic Alpha Partners

DTU Certificate in Deep Tech Scaling

DTU Global Re-Industrialisation Programme (GRIP)

Inventing deep tech is hard, scaling it is even harder

Europe is a hub for research and innovation, but it is falling behind when it comes to commercialising and scaling it. The widening competitiveness gap between Europe and other global leading countries, such as the US and China, comes down to Europe's inability to scale new and advanced technologies.

While we have lost leadership in scientific excellence and patenting in many technology fields, we fall even more behind in industrialisation, growth capital, and management expertise required to turn ideas into global companies. In the last 25 years, Europe has only seen four companies scale to revenue of more than 10 billion EUR, all of them are software or food delivery companies. It's a different story when it comes to industrial technologies. Unfortunately, the majority of those never reach a commercial scale. Despite the desperate need for new and more efficient solutions, many promising technologies drown in the J-curve.

The pressure is on to create the next generation of technologies that can increase regional resilience and save our once strong industries. This of course opens up for opportunities among entrepreneurs and investors that are able to navigate the new and complex environment.

The question is: how do we successfully and capital efficiently grow and scale more deep-tech in Europe?

Why it matters

Geopolitical tensions are rising, and societies are increasingly reliant on energy independence, deep tech-powered solutions, and local manufacturing.

Re-industrialising Europe requires immediate action, both from a security perspective, but also if we are to prevent environmental disaster.

A capital-efficient deep tech transition is vital to the autonomy and security of the continent, as well as ensuring a stable planet for future generations.

The transition will unlock large economic opportunities, but it requires new knowledge, skills, and tools to navigate the complexities of global re-industrialisation.

Time to get a GRIP

Successful scaling of deep tech is now a strategic priority for Europe, in a bid to boost European competitiveness and security.

Competing global blocs are reshaping industrial policy around technological autonomy, supply-chain resilience, and critical technologies.

It is a management challenge that requires deep understanding of macro dynamics such as global value chains and technology transformations. It also requires a new toolkit on the micro level, with tools and models for tackling rapid growth, high working capital and organisational change.

To harness the opportunities of the transformation, deep tech operators and investors need new methods, skills, and execution discipline.

The DTU Global Re-industrialisation Programme (GRIP)

GRIP is invented to close the scaleup gap.

Together with one of Europe's top growth equity funds, Nordic Alpha Partners (NAP), we provide deep insight, new tools, frameworks, and models to:

- understand market, political, and technology drivers,
- create, de-risk, manage hypergrowth in deep tech companies, and
- master capital efficient scaling and organisational transformation.

We do this by drawing on frontier research as well as tried and tested tools from the "battlefield" of Europe's deep tech investment ecosystem.

While providing hands-on tools and live-cases from Europe, GRIP is "global" in scope because we can learn a lot from the experiences in China and the US. However, we cannot deploy the same tactics, and GRIP will tell you why.

Understand, Model, Scale: The three pillars of GRIP

Understand the Global Dynamics

By exploring the macro forces shaping deep tech markets, from geopolitics and regulation to investment flows, supply chain disruptions, and technology sovereignty, you will learn to assess risks, identify drivers, and navigate market-led as well as policy-driven challenges.

Apply new models for Growth and De-Risking

Gain clear insight into a new toolkit full of models tuned for deep tech scaling and capital efficient growth. Apply new theory to recognise the factors that influence scaling readiness. Learn to spot bottlenecks early and develop a realistic path towards category leadership.

Scale on a Capital Efficient Platform

Master frameworks and governance tools to scale deep tech companies in a capital efficient way. Through structured case work and hands-on methods, learn to avoid premature scaling and manage transformational organisational change at speed.

A framework for dealing with the complexity of rapidly scaling deep tech

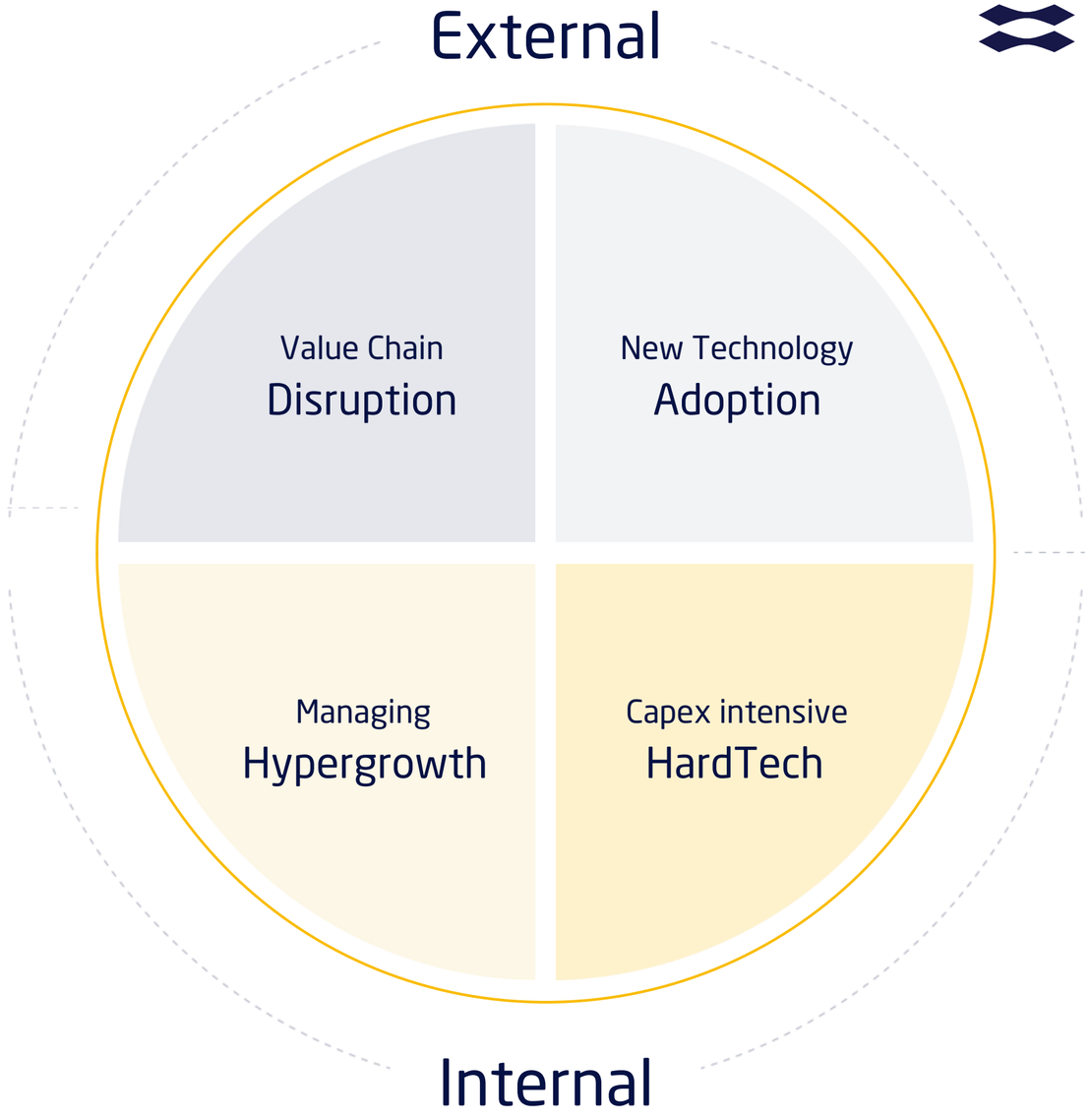
Deep technologies are often disruptive. This means, introducing this kind of technology into traditional industries carries with it a new set of challenges that require fit-for-purpose skills and tools:

01 | How can I disrupt existing value chains and manage the transition for suppliers, customers, and partners?

02 | How do regulation and geopolitics shape the adoption of new technology?

03 | How do I move from technical readiness to industrial readiness and viable commercial deployment?

04 | How can I lead a rapidly growing business, with the necessary organisational and cultural changes?



A three-day executive programme

DAY 1, May 27th

Foundations of Deep Tech Scaling

Module 1
Drivers and Challenges in Deep Tech Scaling and Re-industrialisation

Module 2
Characteristics of Deep Tech Innovation

Module 3
Introducing Changing the Math (CTM): A Hypergrowth Toolkit for Transformative Technology Companies

Evening: Team Dinner & Networking

DAY 2, May 28th

The Hypergrowth Toolkit in Practice

Module 4
Geoeconomics and Macro-Finance in Deep Tech Markets

Module 5
TRL 10–11: From Proven Technology to Commercial Deployment at Scale

Module 6
Changing the Math: Models for Managing Hypergrowth

Evening: Informal networking & Drinks

DAY 3, May 29th

Leading Hypergrowth and -transformation

Module 7
Models for De-risking Hypertransformation

Module 8
Capitalising on Hyper-growth and new Governance Models for Scale-up Companies

Case Presentation & Feedback

Graduation & Networking Reception

Complimentary 1 Day event:

DTU TECHNOLOGY DEEP DIVE

Get hands-on access to frontier science and scale-up ecosystems.

Spend a dedicated day at DTU to explore a specific deep tech domain - from quantum computing to fusion energy to next-gen biomanufacturing.

Meet leading researchers, pre-commercial startups, and industrial partners.

Understand state-of-the-art technology trajectories, supply chain constraints, regulatory inflection points, and investor-relevant trends.

GRIP alumni can join one Technology Deep Dive Day at anytime when it is offered (not binding to the sign-up cohort), fully complimentary and a great source of networking with other alumni.

Be part of the change

GRIP equips you to make fast and informed decisions in the hectic deep tech scaling environments. You will leave with a stronger understanding of the forces shaping deep tech growth and re-industrialisation – and with practical tools to lead scaling efforts, support accelerated expansion strategies, and manage transformation.

The programme is designed to help you make faster and better decisions, contribute to long-term value creation, and take an active role in shaping a more resilient and sustainable future.

This programme is designed for:

- Investors (Angels, Venture Capital, Corporate VC, Private Equity, Institutional)
- CXOs of technology-driven scaleups
- Policymakers (national & EU level)
- Innovation intermediary leaders (incubators, science parks, cluster organisations)

Founding Programme Partners

Technical University of Denmark (DTU)

DTU is Europe's top-ranked technical university (EngiRank 2023) and a global leader in sustainability, engineering, and innovation. With deep ties to industry and a focus on real-world impact, DTU is shaping the technologies and leaders of tomorrow.

Nordic Alpha Partners

Nordic Alpha is one of Europe's top Greentech growth funds. With a proven model toolkit for scaling industrial tech, the firm turns scale-ups into global technology leaders. The firm's portfolios have abated nearly 2 million tonnes of Co2 and delivered 65% average growth with multiple successful exits to industry giants such as Tesla and Edenred.

Supported by

Nordic Five Tech Alliance

- Technical University of Denmark, Denmark
- Chalmers Institute of Technology, Sweden
- KTH Royal Institute of Technology, Sweden
- Norwegian Technical University of Science and Technology (NTNU), Norway
- Aalto University, Finland

Endorsed by

- Certified short training program at European Institute of Public Administration (EIPA)
- European Commission DG Grow

GRIP Cohort 3 at a Glance

The Programme brings together DTU's leading research and innovation ecosystem with Nordic Alpha Partners' proven experience in scaling green tech. The programme combines live cases with a practical toolkit for navigating hypergrowth and driving sustainable industrial transformation

- **Location**: DTU, Lyngby Campus
- **Dates**: May 27-29, 2026
- **Format**: 3 full days (plus one optional day for Tech DeepDive)
- **Price**: DKK 29,950 incl. VAT (covers tuition, materials, and catering)

Sign up today!

Contact Torben Andersen, Programme Admission Manager

Contact

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