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Innovation Norway invites you to Industry 4.0 Accelerator Program (IAP) – Additive Manufacturing

Background

Additive Manufacturing (AM) is one of the key elements of industry 4.0 allowing for completely new ways of designing and producing parts. Especially for countries such as Norway with a high labor cost and even more in times of the corona pandemics and challenged international supply chains AM can be an ideal solution to increase value creation. Germany and especially the Munich area is considered the hotspot of AM technologies in Europe and the headquarter for many international market leaders.

What is IAP?

The Industry 4.0 Acceleration Program is a program developed by Innovation Norway Germany that seeks to give Norwegian companies access to hands-on, result-driven and company specific programs targeting industry 4.0 technologies and how they can be best applied. Our aim is to build a program that focusses on 1:1 interaction with world leading Additive Manufacturing experts, review sessions and workshops towards company specific use-cases supporting participating companies in achieving tangible and practical goals. This program is limited to 6 participating companies.

Why you should join?

AM and design for AM has innumerable possibilities to re-think and re-design products., understanding this value and how to best use it, can give your company a huge competitive edge by delivering more efficient and robust products.

Key take-aways

- Evaluate AM Potential for each individual company and selected parts
- Understand today's possibilities to leverage the benefits of 3D printing
- Rethink existing value chains to drive innovation and develop a long-term competitive advantage
- Know which applications can generate value-add through AM and learn how to maximize the impact of AM to your business
- Individual project reports & roadmaps
- Printed metal or polymer prototype

Who should join

The program targets specifically manufacturing companies from all industrial sectors that have identified AM as an interesting path to develop the companies' product portfolio. Since the program covers technical as well as strategic and operational aspects it is advised that these levels of the participating companies also join the program at some point throughout the program.

Time commitment

The program has an expected duration of 16 weeks seeks however to be as flexible as possible according to the best practical support for participating companies.

Program outline:

Phase 1 (Group & 1-1) - complementary

- Webinar 1 – Fundamentals of industrial AM
- Webinar 2 – Technology Overview & market outlook
- 1-1 company specific program discussion and Q&A

Phase 2: (Group & 1-1)

- Webinar 3 – Inspiration and Innovation Session
- Collaborative Project development session to choose and define most tangible desired outcome per company (1-1)
- Initiation and alignment on deliverables and choosing of right “track” (1-1)
- Track 1: AM Starter Package (1-1)
- Track 2: Develop your Application (1-1)
- Track 3: AM Expert Program (1-1)
- Track 4: Fully Customized Program (1-1)
- *Topics covered: Part Screening and Evaluation, AM Business Case Analysis, Design for AM, Critical-to-Quality analysis, Support Structure, Data Preparation*

Phase 3: (1-1)

- Bringing parts to reality - Printing
- Project report and roadmap per company

Technical partner:

For this program Innovation Norway has selected EOS Additive Minds as a technical partner. EOS is the leading technology provider worldwide for industrial 3D printing of metals and plastics pioneering and innovating for integrated solutions in additive manufacturing. EOS has more than 30 years of AM experience and operates more than 400 systems in 68 countries. For this program a total of 9 AM experts with different fields of expertise are available to participating companies.

Timeline:

The program seeks to start end of April 2022.

Cost:

The cost per participating company is NOK 50.000 for the full program.

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Partners: