

AM in Denmark

Article 1: **AM Market in Denmark**

With a population of just 6 million and limited access to raw materials, Denmark's prominence in various manufacturing sectors is remarkable. The country leads in fields like wind turbines, pharmaceuticals, medical equipment, shipbuilding, food processing, machinery, textiles, electronics, construction, and furniture manufacturing. This success is often attributed to Denmark's flat hierarchies, which foster innovation, creativity, and the adoption of new technologies.

Key Danish manufacturers, such as The LEGO Group, Grundfos, and Danfoss, are now facing significant demands to transition towards greener production methods. This shift towards sustainability presents numerous opportunities for companies within the AM market in Denmark. The growing emphasis on green technology, combined with Denmark's innovative spirit, positions the country as an attractive market for companies providing AM solutions.

The increasing integration of AM into various manufacturing processes reflects its importance in meeting these sustainability goals. While large manufacturers like LEGO, Grundfos, and Danfoss have fully embedded AM across their value chains, small and medium-sized enterprises (SMEs) are also beginning to adopt the technology, primarily for creating fixtures and tools. However, trends indicate that AM is gradually being used in production phases and even in end-products, offering companies a chance to innovate and reduce their environmental footprint.

Currently, approximately a third of manufacturing companies in Denmark utilize AM in their operations. These companies are increasingly focused on sustainability, seeing AM as a key driver in their green transition.

Article 2:

Danish AM Hub and the AM Summit: Innovation, Ingenuity, and Green Transition

Since its initiation in 2018 by the Danish Industry Foundation, Danish AM Hub has served as Denmark's national hub for additive manufacturing (AM). The hub was established with the ambitious goal of making Denmark a global leader in using AM for sustainability. Danish AM Hub supports Danish manufacturing companies in taking steps toward a future where production involves less waste, material, transport, and lower CO₂ emissions.

The development of a CO₂e calculator by the hub is part of an effort to build a world-class knowledge base on sustainable production with AM. This tool enables manufacturers to quantify the environmental impact of their decisions throughout a product's life cycle, helping them make more informed and sustainable choices.

The growth and development of Danish AM Hub's annual AM Summit further demonstrate the rising importance of AM in Denmark. Since its inception in 2018, The Danish AM Hub's annual AM Summit has grown remarkably, reflecting the rising importance of additive manufacturing (AM) in Denmark. What started as a modest gathering with just 150 participants has now evolved into the largest AM conference in the Nordics. This year, the summit is expected to attract around 1,000 attendees and host 70 exhibitors, making it a key event for industry leaders, innovators, and stakeholders interested in the latest advancements in AM technology.

The AM Summit provides a platform for exploring cutting-edge trends in AM, with keynote speakers who are globally recognized thinkers, makers, and creators. These experts share insights on topics ranging from AM and design to innovation and sustainable production. The conference is designed for anyone with an interest in AM technology, offering a comprehensive overview of the field's newest developments.

Attendees can participate in numerous break-out sessions, which this year will feature several major stages focusing on tangible applications across different sectors. These sessions delve into the intersection of manufacturing, innovation, and sustainability, showcasing how AM is transforming industries.

Networking is a key component of the summit, with opportunities to connect with hundreds of peers and experts handpicked for their knowledge and influence in the AM field. The event also highlights the Danish AM startup scene, with pitches from the forefront of Danish product innovation, offering valuable insights into the future of manufacturing.

In addition to the presentations and sessions, attendees can gain practical advice from 75 exhibitors leading the charge in reshaping design, development, and production processes. These exhibitors focus on how AM can help reduce, reuse, and recycle materials, aligning with broader goals of sustainability and efficiency.

To learn more about this year's AM Summit and opportunities to exhibit, speak or attend the conference, visit <https://amsummit.dk/#contact>