

## Business plan 2020

The business plan describes goals and overall activities for The Swedish Arena for Additive Manufacturing of Metals (AM-Arena), which is planned and prioritized for 2020.

### Background

The AM-Arena started in August 2016 is still developing. The business plan for 2020 is based on 20 active members and 12 basic members. Focus 2020 will be to further speed up the industrialization in Sweden following the roadmap for the area and to continue working for Swedish coordination.

### Aim

The Swedish Arena for Additive Manufacturing of Metals contributes to the development of technology and knowledge to reach the full potential of AM.

### Strategy

This will be achieved through the following mechanisms:

- Network and meeting venues
- Competence development
- Technology development
- Infrastructure

### Activities 2020

	2020	Long term
<b>Network and meeting venues</b>		
Networking; physical meetings, organize conferences, seminars and workshops, demonstrating opportunities	<ul style="list-style-type: none"> <li>- Workshop on standardization <b>5 Feb</b></li> <li>- Workshop on machining of AM <b>21 April</b> at Swerim</li> <li>- Seminar, subgroup meetings and annual meeting <b>22 April</b> at KTH</li> <li>- Workshop on post treatment</li> <li>- Master thesis presentations <b>23 April</b> at KTH</li> <li>- 4 technical group meetings</li> <li>- 4 board meetings</li> </ul>	<ul style="list-style-type: none"> <li>- 1 seminar</li> <li>- 1-2 workshops</li> <li>- annual meeting</li> <li>- 4 technical group meetings</li> <li>- 4 board meetings</li> </ul>

	2020	Long term
<b>Competence development</b>		
Business intelligence and information gathering and sharing; from conferences, news, patents	- All members share information from the outside world, conferences, open information from members, etc. during networking	- A clear picture about the state-of-the-art of the area, frequently updated with news
Education on different levels; evaluation of needs, connected to the test beds, courses for designers, training courses, course material, ...	- Joint work around education in Academic subgroup - PhD-student network - Spring School of AM <b>1-3 April</b> at CAM <sup>2</sup> /Chalmers (3000 kr for Arena-members)	- A portfolio of courses

	2020	Long term
<b>Technology development</b>		
Maintaining a roadmap	- Follow up status of implementation of roadmap	- Yearly update of the roadmap by the technical group
Working to secure funding; Coordination, lobby against financiers	- Discussion with Vinnova about coordination of metal AM funding - Invite Vinnova and the strategic innovation programs Metallic Materials, LIGHTer, Prod 2030 and Innovair to AM-Arena events - Suggest joint calls within AM based on the needs identified by Swedish industry - Information about calls (incl. EU) by regular update on homepage and in newsletter	- Dedicated national funding for the area (SIP AM, AM calls)
Get up a critical volume of research	- Suggest ways of dissemination of results	- Project portfolio including both industrial, national and EU-funding
Technical activities; pre-studies, demonstrators	- Master thesis projects	- Decided yearly by the technical group

**The Swedish Arena for Additive  
Manufacturing of Metals**

	2020	Long term
<b>Infrastructure</b>		
Test and demo, identifying strategic investment and infrastructure	- Discussion in the technical group	- Coordinated well equipped test and demo platform
Material database	- Workshops with PhD-students to start building material database	- Material database
Newsletter (News from the Arena, coverage of the area, calls, calendar)	- Newsletter 5 times per year	- Monthly newsletter
Home page	- Develop and maintain home page	- Update home page regularly
Linkedin	- Active with posts	- Active with posts