

Project Selection Criteria

Below you find the criteria that the Steering Committee of the SFA Advanced Manufacturing use to evaluate and select the project proposals that have been submitted according to the Call for Proposals that was issued on 26 September 2016.

1. Topic

- a. **Thematic Fit:** The project proposal is related to at least one of the three Technical Focus Areas.
- b. **Industrial Importance:** It addresses a key challenge that is of high importance for the successful industrial application of advanced manufacturing technologies.

2. Approach

- a. **Fundamental Research:** The solution to the problem is subject to fundamental research in engineering sciences and allows for high impact publications.
- b. **Engineering Education:** The project drives the education of engineers at the cutting edge of advanced manufacturing.

3. Objectives

- a. **Far-reaching Objectives:** The objectives of the project are far-reaching and measurable. They exceed the state of the art significantly, e.g. by at least one order of magnitude if such metrics can be applied.
- b. **Early Breakthrough:** One milestone is demonstrating significant breakthrough after 24 months.

4. Results

- a. **Tangible Solutions:** The solutions are tangible and/or are demonstrated with functional demonstrators.
- b. **Applicable Results:** Results can be applied in Swiss companies by start-ups and/or by direct transfer and will have a positive impact on the Swiss industry.

5. Feasibility

- a. **Technical Feasibility:** The objectives are realistic and technically achievable.
- b. **Reasonable Approach:** The project plan is reasonable and the approach is suitable to achieve the objectives. The competences and resources needed to meet the plan will be available.

6. Use of Funds

- a. **Project Consortium:** The project is carried out by a consortium of PIs from different ETH institutions.
- b. **Budget Fit:** The total budget is compatible with the funding available and its distribution.
- c. **Talent Hiring:** Most of the budget is used for hiring young talents (PhD students, Postdocs).
- d. **Equipment Purchase:** The total amount for the purchase of key equipment does not exceed one-third of the budget of one institution and the purchased equipment is made available to participants across the ETH Domain.