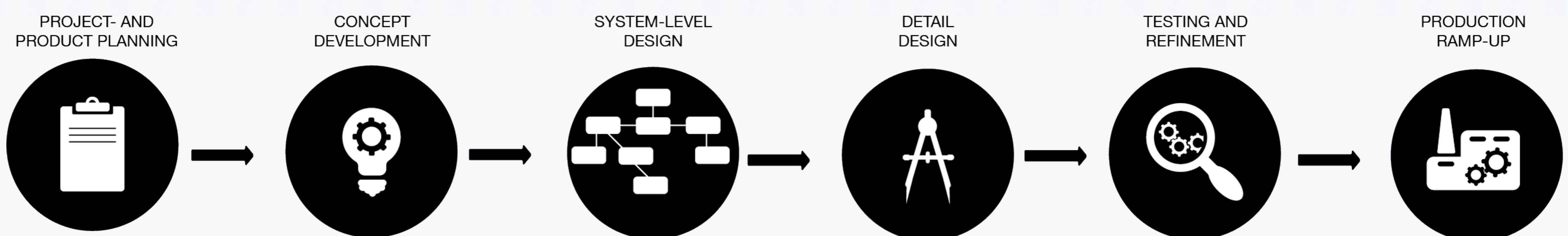


Supervisors:

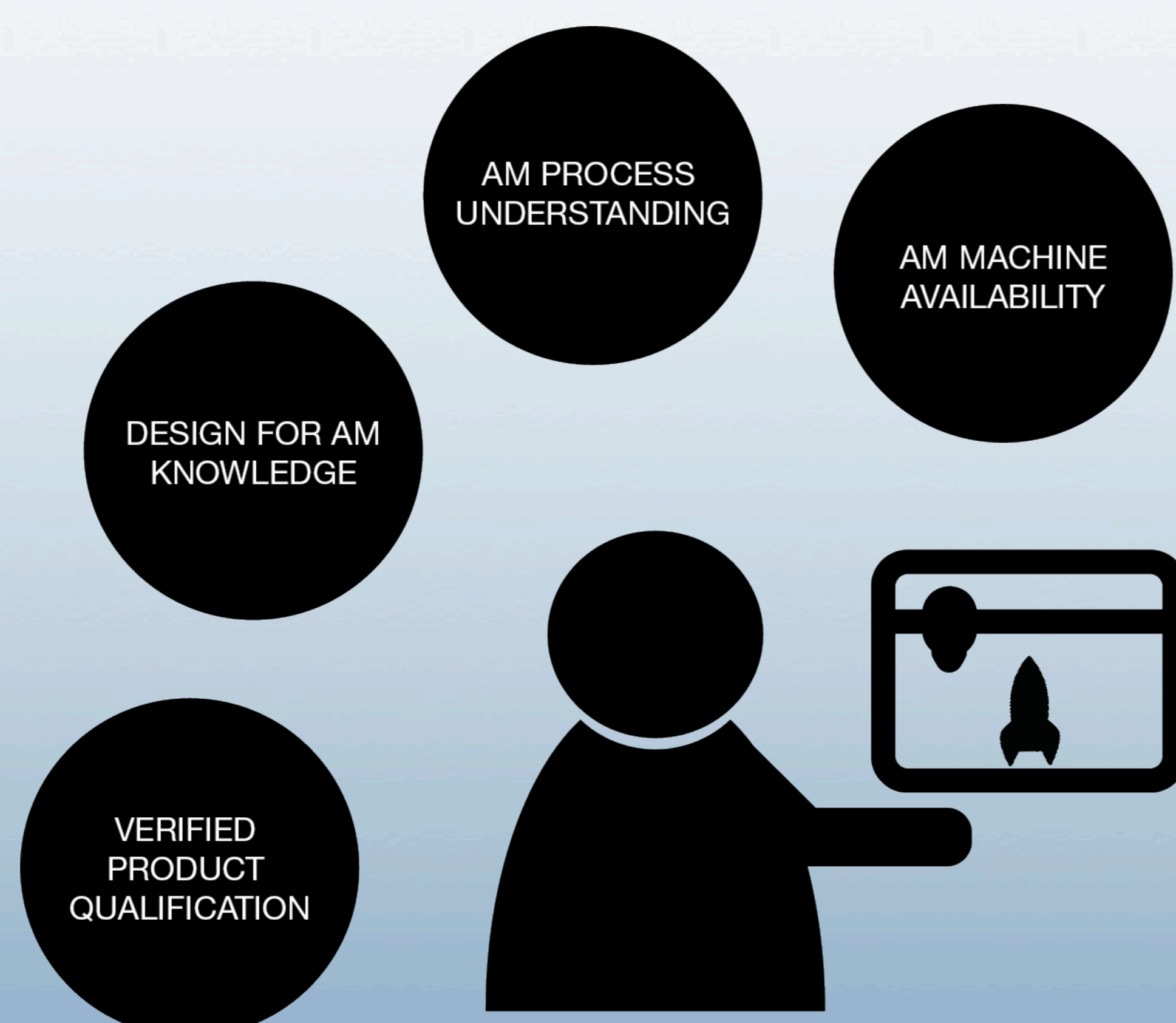
Anna Öhrwall Rönnbäck (Product Innovation)
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THE INFLUENCE OF ADDITIVE MANUFACTURING ON THE DESIGN PROCESS

The space industry is characterised by high-risk projects in low production volumes. While the new initiative through ESA10^x directs the industry towards cheaper products, opportunities such as shorter lead times bring values in using Additive Manufacturing (AM). However, designers today do not have enough knowledge of AM and how to apply it in the design process.



Two major issues of implementing AM into the design process is (1) the designers' ability to absorb all the possibilities that AM offers and (2) for the designer to have knowledge of the numerous limitations in design that these manufacturing processes brings. The aim of the project is to increase knowledge in design for additive manufacturing in order for space companies to successfully utilise the method in their designs. In the initial studies, four areas have been identified as important factors for the engineer to adopt AM in their design work and are presented in the figure below.



In collaboration with:

