



1. Publishable Executive Summary

Fit-4-AMandA focusses on the industrialisation of stack production and delivering affordable fuel cell systems in larger quantities to saturate the emerging market demand. The first step in the project is the formulation of the specifications of requirements for the automatic machine that will be producing stacks, which is the centerpiece of the fuel cell systems. Such requirements are the demands on the technology for the product manufacturing and also the product-side requirements for the production system have to be defined in the same step, such as output cycle time and the kind of manufacturing und automation level, the general machine design, quality assurance system and special infrastructure requirements. This document is the result of collection of all the specifications related to the FC stack product, the machine design, the machine parameters and processing steps, as well as the quality control measures. It describes the concept - how and in what limits an automated PEMFC stack manufacturing plant could work and produce the targeted quality and quantity.



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