The Fortissimo project demonstrates in over 80 experiments how European manufacturing SMEs are able to increase their competitiveness through access to high-quality intensive simulations. The experiment partners are given access to national HPC centres, software providers, and industry experts, and are extensively supported in their use of HPC resources.

In particular, the Fortissimo experiments are focusing on demonstrating the business benefits SMEs receive by using the Fortissimo HPC Cloud-based infrastructure. The results of more than 40 experiments from a wide variety of manufacturing segments and applications have already been published. They companies involved were able to demonstrate how digital simulation increases productivity, quality, and time-to-market, resulting in higher turn-around, increased customer base and lower production costs.

The Fortissimo project is coordinated by The University of Edinburgh and funded through the European Commission's Seventh Framework and Horizon 2020 programmes, and is part of the I4MS initiative.