




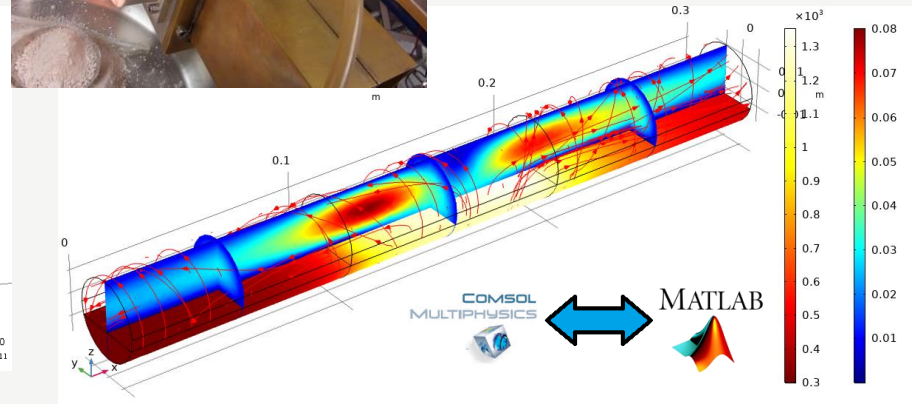
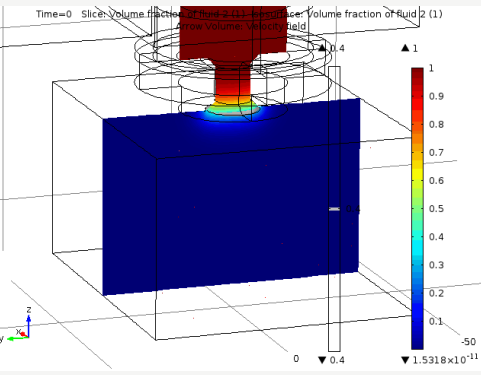
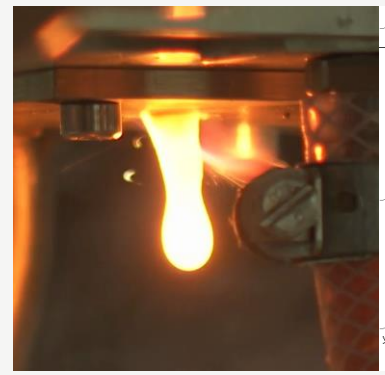
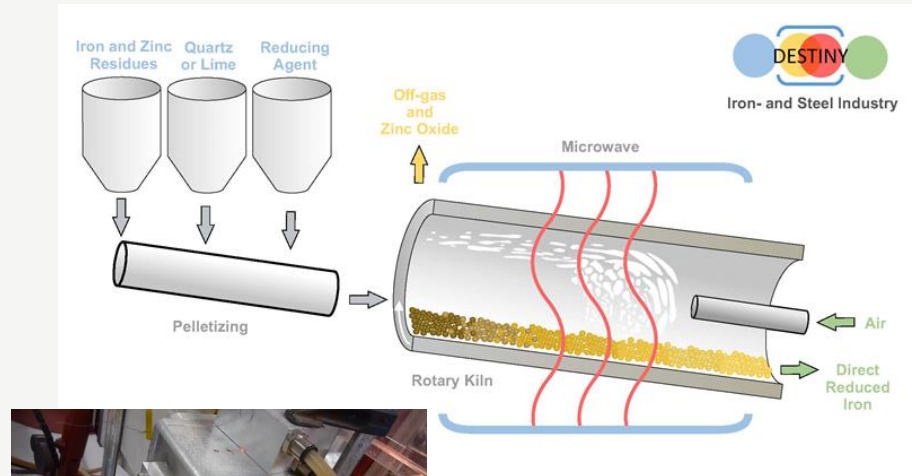
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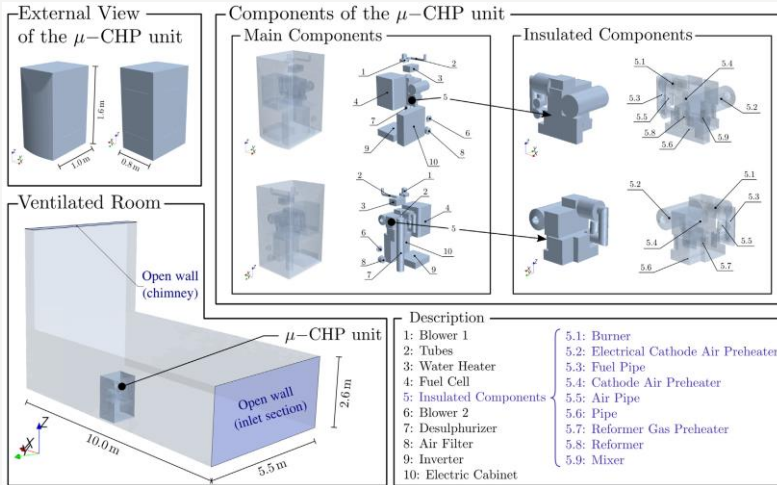


Development of Adaptive Production systems for Eco-efficient firing processes



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- StarCCM+ - CFD
- COMSOL Multiphysics
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- Linux WorkStations with 40 cores and 512 GB of RAM

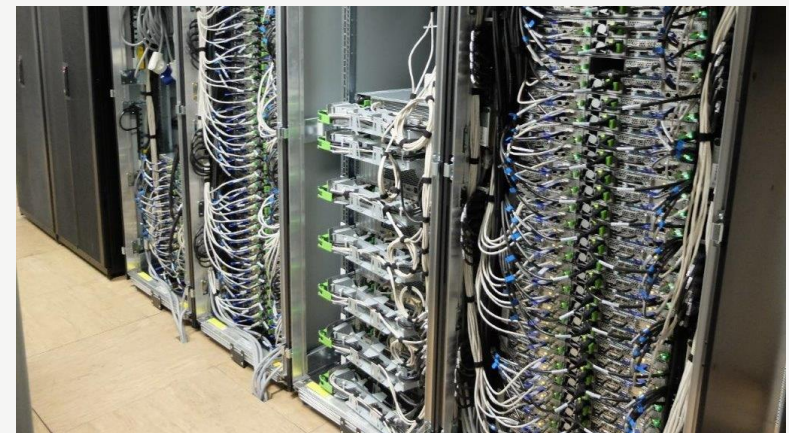


TECHNOLOGY

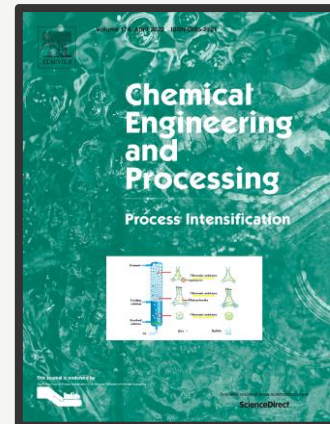
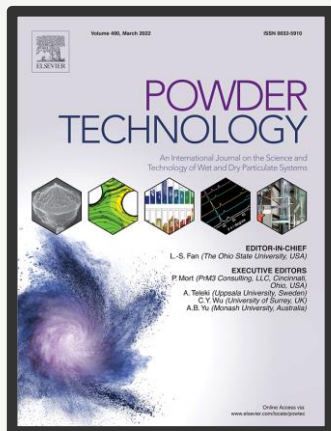
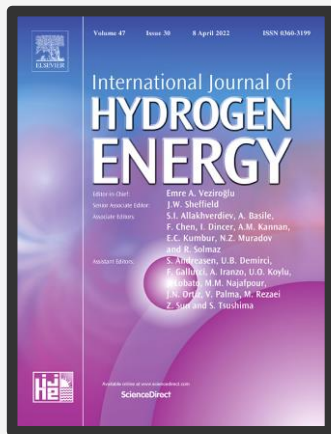
The aim of DESTINY is applying non-conventional energy sources to energy intensive industrial processes. The use of systems based on electricity like the MW considered in the project is a true alternative to fossil energy sources (natural gas consumption) enabling the integration of renewable electricity and providing significant advantages in terms of resource/energy efficiency and operational flexibility. An extensive list of innovations regarding various system aspects will be put in place in order to demonstrate an operational prototype of the new process in industrial scale related to:

- Reactor, feeding system and plant integration
- Microwave technology
- Concept of application
- Monitoring and control
- Industrial use

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