Annealing Furnaces Modelisation for Photovoltaïc Applications

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Abstract

The optimisation of dimensions, materials choice of heaters in annealing furnaces are done with COMSOL Multiphysics® in 2D-axisymetry.
Heat losses sources are identified and corrective actions can be taken in function of simulation results.
A power saving of more than 50% is achieved thanks to simulations.