SIDERWIN project addresses the application of electricity to decompose directly iron oxide into iron metal and oxygen gas.

By achieving its full electrification, primary steel production come close to the maximum energy and resources conservation. It thus achieves full decarbonization of an activity accounting for 7 to 9% of global anthropic CO₂ emissions.

www.siderwin-spire.eu

Project coordinator:
Hervé Lavelaine de Maubeuge
(herve.lavelaine@arcelormittal.com)