Improved utilisation of fossil fuel by injection through hollow electrodes in the EAF

Project ID: 7210-PR/077
Funded under: ECSC-STEEL C

Improved utilisation of fossil fuel by injection through hollow electrodes in the EAF

From 1998-07-01 to 2001-06-30

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
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<tbody>
<tr>
<td>EUR 933 333</td>
<td>C1 - Primary steelmaking</td>
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<tr>
<th>EU contribution:</th>
<th>Funding scheme:</th>
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<td>EUR 560 000</td>
<td>CSC - Cost-sharing contracts</td>
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<th>Coordinated in:</th>
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<tr>
<td>Italy</td>
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Objective

The overall objective of this project is to develop systems and find suitable conditions for injection of fossil fuels through hollow graphite electrodes in the EAF. The project shall also determine the expected improvements in performance for: arc-voltage to arc-length ratio, electrical consumption and productivity, arc stability, harmonics and flicker, graphite consumption, melt out analysis of N and O and energy yield from combustion of fossil fuel.

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