

# ENERGY EFFICIENCY IN ELECTRIC STEELMAKING

Filesize: 6.51 MB

#### Reviews

This publication is fantastic. We have read through and i am certain that i will planning to read yet again yet again down the road. You wont feel monotony at at any time of your respective time (that's what catalogs are for concerning when you request me). (Alec Langosh)

#### ENERGY EFFICIENCY IN ELECTRIC STEELMAKING



To download **ENERGY EFFICIENCY IN ELECTRIC STEELMAKING** eBook, make sure you refer to the web link below and save the document or gain access to additional information which might be related to ENERGY EFFICIENCY IN ELECTRIC STEELMAKING book.

Shaker Verlag Feb 2014, 2014. Buch. Book Condition: Neu. 21x14.8x cm. Neuware - Steel production is a significant energy consumer. The iron and steel sector consumes 19% of the total energy consumed in industry and is the main industry consumer in Europe. Energy consumption by steel plants in Luxembourg represented 22% of the final industry energy consumption in 2007. In recent years this industry has undertaken efforts to increase energy efficiency by reducing its consumption and recovering otherwise lost heat, as state of the art research shows. Moreover, the recent European Directive 2012/27/EU on energy efficiency is promoting efficient energy supply, considering the use of waste heat for district heating and cooling. This thesis was framed in this context and its objective was to develop strategies for saving and, in particular, recovering energy in an electric steel plant. Approximately thirty options were technically and economically evaluated. In addition, a risk assessment matrix was developed to assess the technical and economic risk of each option. After a thorough energy savings possibilities were identified. The potential energy savings in relation to the natural gas consumed in a reheating furnace if the beams are entering hot-which is known as warm charging-were also studied. Moreover, state of the art energy recovery technologies were analyzed as well as new research developments such as slag heat recovery and cooling bed heat recovery. An important part of the work of this thesis was the determination of the potential of heat recovery by radiation in the cooling bed. Numerical simulations and experimental tests were carried out with this aim. The experimental tests were performed using solar absorbers. The results demonstrated that up to 1...

- Read ENERGY EFFICIENCY IN ELECTRIC STEELMAKING Online
- **Download PDF ENERGY EFFICIENCY IN ELECTRIC STEELMAKING**
- Download ePUB ENERGY EFFICIENCY IN ELECTRIC STEELMAKING

## **Other Kindle Books**

Δ
$\equiv$

[PDF] Programming in D Follow the link below to download "Programming in D" PDF document. Download eBook

_

[PDF] A Dog of Flanders: Unabridged; In Easy-to-Read Type (Dover Children's Thrift Classics) Follow the link below to download "A Dog of Flanders: Unabridged; In Easy-to-Read Type (Dover Children's Thrift Classics)" PDF document. Download eBook

»	

»

ſ	Δ
	≡

# [PDF] The Java Tutorial (3rd Edition)

Follow the link below to download "The Java Tutorial (3rd Edition)" PDF document. Download eBook

ſ	Δ
	≡

# [PDF] Polly Oliver s Problem: A Story for Girls

Follow the link below to download "Polly Oliver s Problem: A Story for Girls" PDF document. Download eBook

$\neg$

#### [PDF] Adobe Indesign CS/Cs2 Breakthroughs

Follow the link below to download "Adobe Indesign CS/Cs2 Breakthroughs" PDF document.
Download eBook

1 9	
≡	

### [PDF] Have You Locked the Castle Gate?

Follow the link below to download "Have You Locked the Castle Gate?" PDF document. Download eBook

Ξ	[PDF] Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications. Follow the web link below to download and read "Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications." document. Save ePub
Ξ	[PDF] THE Key to My Children Series: Evan s Eyebrows Say Yes Follow the web link below to download and read "THE Key to My Children Series: Evan s Eyebrows Say Yes" document. Save ePub »
	[PDF] Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers Follow the web link below to download and read "Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers" document. Save ePub
Ξ	[PDF] A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half Follow the web link below to download and read "A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half" document. Save ePub *
E	[PDF] Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities Follow the web link below to download and read "Bully, the Bullied, and the Not-So Innocent Bystander: From Preschool to High School and Beyond: Breaking the Cycle of Violence and Creating More Deeply Caring Communities" document. Save ePub
E	[PDF] Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version Access Card Package Follow the web link below to download and read "Who Am I in the Lives of Children? an Introduction to Early Childhood Education, Enhanced Pearson Etext with Loose-Leaf Version Access Card Package" document. Save ePub

»