

Lecture outline of Topic
on

The current state of the steel industry and issues in an environmental aspect
(90 min.)

Yuji MIKI, Dr.Eng.
Principal Researcher, Steel Research Laboratory,
JFE Steel Corporation

This lecture outlines the steel industry, its importance, and the steel manufacturing process. We then discuss several issues on the environment aspect in steel production.

Steel production in the world is about 1.8 billion tons a year. Since steel is used in various applications such as automobiles, ships, and building materials, the production is on the rise, especially in developing countries.

Current efforts and future prospects in order to realize a sustainable society, are discussed from a technical point of view with regard to active environmental improvement, such as reduction of carbon dioxide emission and effective use of by-products such as slag.