

Metallurgical Sector



Pending

Before

After

Project

Switch from a cupola coke furnace to a rotary mazzout furnace for a two year period and then a switch to natural gas.

Client Description

- Industrial Development Works (I.D.W) Co, Zagazig City
- The study stressed the necessity of switching the cupola coke furnace to a rotary mazzout furnace to be replaced later by natural gas. This option would yield environmental benefits in addition to economic advantages. The main target would be to eliminate coke emissions, especially sulphur and carbon dioxide, and reduce total emissions, including oil emissions, to improve the working environment and achieve compliance with Egyptian environmental law.
 - Avoiding accidents, improving the quality of the molten product, reducing the maintenance rate, and improving melting efficiency were also factors taken into account. The new system uses modern technology and reduces waste emissions represented in solid particulates. The option would also result in lower operational costs due to the use of natural gas instead of the more expensive and environmentally-unfriendly coke and mazzout.
 - The introduction of the option would cost around EGP 1,260,200 of which ECO would contribute EGP 882,140, the balance to be paid by the company.