



Sustainable Steel Makers



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HEALTH AND SAFETY



At Beshay Steel, our employees are our most valuable asset.

Therefore, we operate a very strict health and safety policy, which have enabled us to decrease injury rates and stick to our aim of reaching zero.

Beshay Steel group obtained the Occupational Health & safety approved by the SGS multinational company.

Occupational Health & Safety = OHSAS – 18001: 2007





THE ENVIRONMENT

INTRODUCTION

Environmental care is becoming increasingly important for the whole world as environment makes up and influences every aspect of life on Earth and it is a cornerstone of Beshay Steel group policy.

Beshay Steel Policy is to preserve environment by reduce, reuse, recover and recycle our waste. This is by recycling tons of scrap steel to produce high quality steel rebar and light sections, as well as recycle and utilize the slag. In addition to that we are recycling the water in order to minimize the water consumption.

Beshay Steel group commits registering for the environmental activities and provides occupational health and safety equipment, and secure the working environment from the hazards, exposures and emissions of the steel industry.

Beshay Steel group implements the periodical measurements for internal and external working environment to recognize the types and levels of emissions to determine the control methods according to the standards and the permissible limits.

Beshay Steel group obtained the Quality & Environment approved by the SGS multinational company.

Quality = ISO – 9001: 2008

Environment = ISO – 14001: 2009





بشای للصلب
BESHAY STEEL



RECYCLING

At Beshay Steel 14000 Tons of scarp are recycled every day to produce a high quality reusable steel repairs or sections.





SLAG TREATMENT

Slag is by-product of steel making. Slags are generally used to remove waste in metal smelting.

Beshay Steel operates two lines for Slag treatment to carry out our recycling activities, we ensure that we fulfil the strictest environmental standards and to reutilize of alternative materials to the material from natural resources. The main function of these production lines is to recover maximum metal content from slag and crush the slag in five different sizes 0:4 mm, 4:6 mm, 6:14 mm, 14:23 mm and 23:40 mm that can be reused in other industries like cement, road base layer and concrete



WASTE WATER TREATMENT

Water is one of the most important substances on earth. All plants and animals must have water to survive. A part from drinking it to survive, people have many other uses for water.

Beshay Steel integrated Wastewater treatment to convert 80% of the industrial waste water - which is water no longer needed or suitable for its most recent use - into an effluent that can be either returned to the water cycle with minimal environmental issues or reused

EMISSIONS

Beshay Steel operates three state of the art 7,300,000 Nm³/h de-dusting systems at its current steel melt shops to minimize our emissions.

This de-dusting system is guaranteeing that the emission is lower than the European code and keeping the emission level under to continues monitoring.

We care to make a difference.



ENERGY

Energy saving is one of our main concerns and our aim is to insure we are using the updated standards to have the least impact. Beshay Steel is remarkably proud to be awarded with the ISO 50001. We managed to meet all the requirements for exceptional assurance and standardization. Beshay Steel succeeded to prove reliability, safety and excellence by minimizing errors and waste to reduce cost and raise productivity. We always exert maximum effort to improve quality and energy management.





LED lighting is implemented to all our current plants and are a standard to all the new that are yet to be installed. We insure we use the best of those bulbs available for a better flux per watts, most area coverage and are long lasting.

All air conditioning systems are controlled throughout the plant and the company using highly advanced PLC systems for the best energy saving system technics and highly advance reporting for instant resolving of any over usage.

This is another contribution to saving energy resources in addition to the continuous upgrading and improvement of our equipment to reach better efficiencies and save our planet



HOT CONVEYOR SYSTEM

Beshay Steel using the latest Midrex Technology to feed of Hot DRI (HDRI) from the shaft furnace to an adjacent Electric Arc Furnace (EAF) via the Midrex HOTLINK 2GTM System. With an average temperature of 650 oC.

This high temperature saves electrical power at the EAF approx. 100 Kwh/t of molten steel.



HOT CHARGING

With the same concept of saving energy, Beshay Steel using the technology of Billet Hot Charging to directly feeding the hot steel Billet out of the continues Casting Machine (CCM) to the rolling mill furnace with benefits of reducing the Natural Gas consumption.



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