Chemical Sector

Pending

Before **After**

Project	Replacing the existing system with a more advanced extraction and collecting system for acid vapours in the tank formation area.
Client	Chloride Egypt, Greater Cairo
Description	The study stressed the necessity of replacing the present system with a more sophisticated extraction and collecting system for acid vapours in the tank formation area using modern, environmentally-friendly technologies. It showed furthermore that if the company continued to use the inefficient extraction system, environmental problems would arise because of the increased waste in sulphuric acid due to spilling which in turn leads to polluted wastewater and corroded infrastructure. In addition, the rising acid vapours in the working area has a major impact on the working environment and thus on the health and safety of the workers. On top of that the old system led to increased waste in the final product (charged grids), energy and water consumption and long working hours. Finally, the present system did not guarantee that the final product would meet safety and quality requirements, and this would have a bearing on the market demand for the goods and lead to a loss of profit. It was found that the introduction of a new system would cost around EGP 1.050.000 of which ECO would contribute EGP 840.000, the balance to be paid by the company.