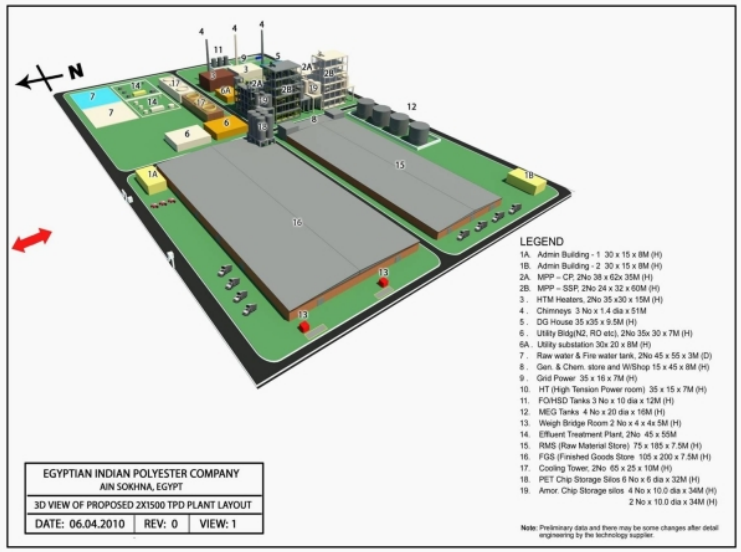
ChemHem ENGINEERING

BUILD A SUSTAINABLE FUTURE



PROJECT TECH INFO

THE PLANT WILL INCLUDE PET PRODUCTION UNITS, TWO HTM HEATERS, FOUR MONOETHYLENE GLYCOL (MEG) TANKS (20M DIAMETER AND 16M HEIGHT), THREE CHIMNEYS AND SIX PET CHIP STORAGE SILOS (6M DIAMETER AND 32M HEIGHT).
THE PLANT WILL CONSUME 360,000T/Y OF PURIFIED TEREPHTHALIC ACID, 142,000T/Y OF MEG, 1100T/D OF WATER, 67,200MWH/Y OF POWER FROM A LOCAL GAS-FIRED POWER PLANT AND 6000NM3/HR OF NATURAL GAS FROM THE NATIONAL GAS NETWORK FOR PROCESS HEATING.

DURING THE PROCESS OF PET RESIN PRODUCTION, THE PLANT WILL GENERATE 124T/D OF WASTE WATER WHICH WILL BE TREATED AND RECYCLED FOR FURTHER USE.

THE OTHER SOLID AND HAZARDOUS WASTE RESULTING FROM THE PLANT WILL BE TRANSPORTED TO THE DISPOSAL CENTRE IN ALEXANDRIA FOR RECYCLING AND DISPOSAL.

Egyptian-Indian Polyester (EIPET) PET Resin Manufacturing Plant

Location:	Al Soukhna, Egypt
Project duration:	2013
Project cost:	$160m
Financing:	Client
Client:	Egyptian-Indian Polyester (EIPET).
Project summary:	Mechanical, Electrical & Instrumentation **Supervision of Construction**
Scope of Services:	Chief Mechanical, Electrical and Instrument Engineers
Type of services:	Freelanced based
Company employer:	Oerlikon Barmag, Germany.