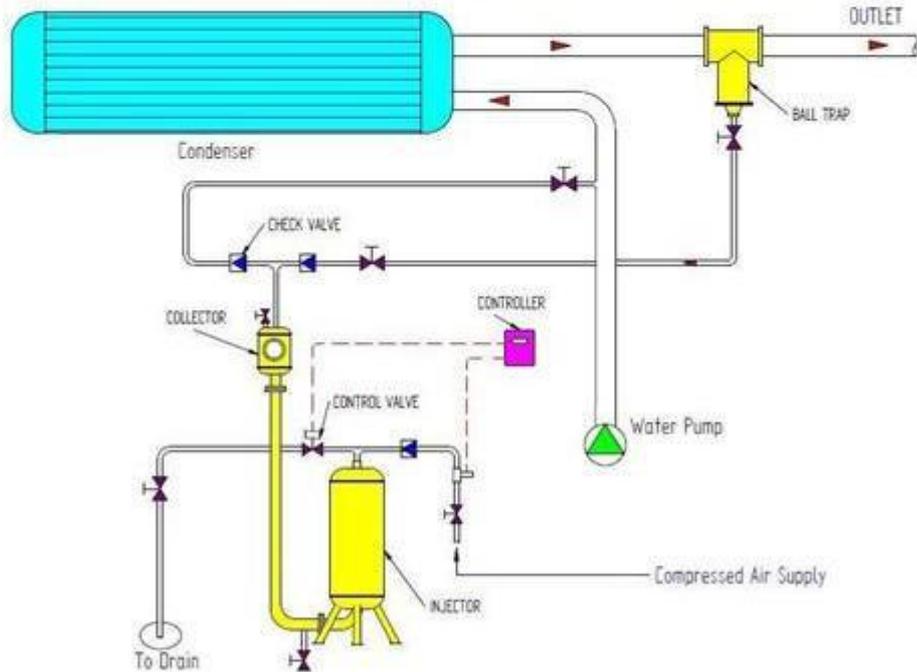
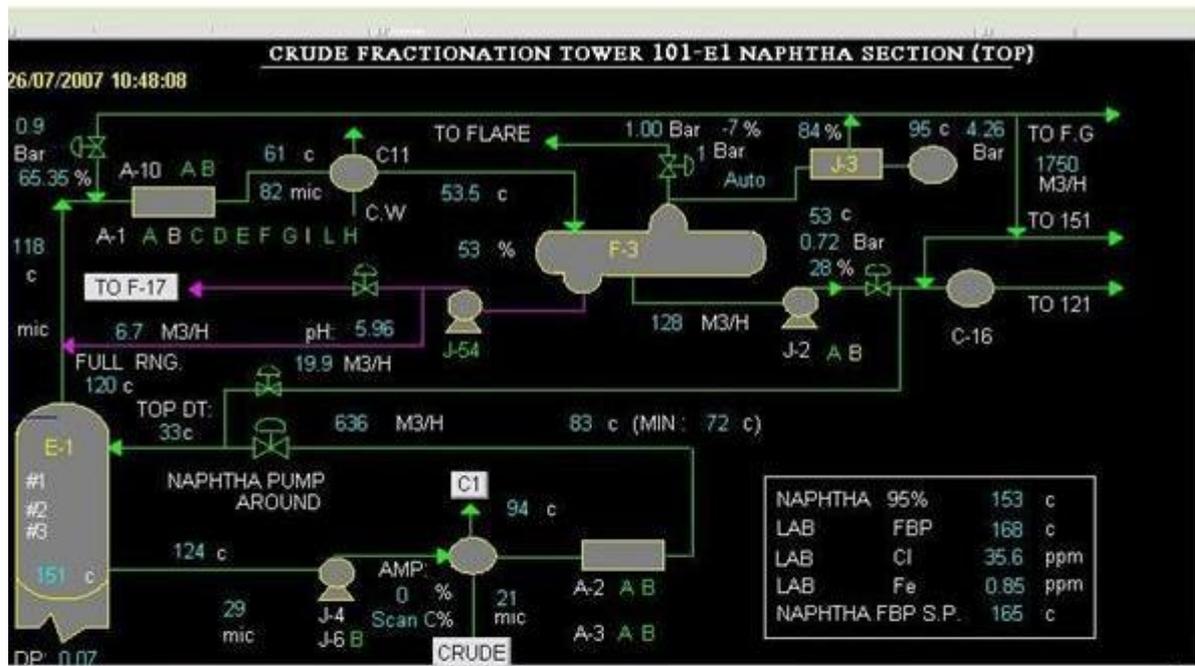
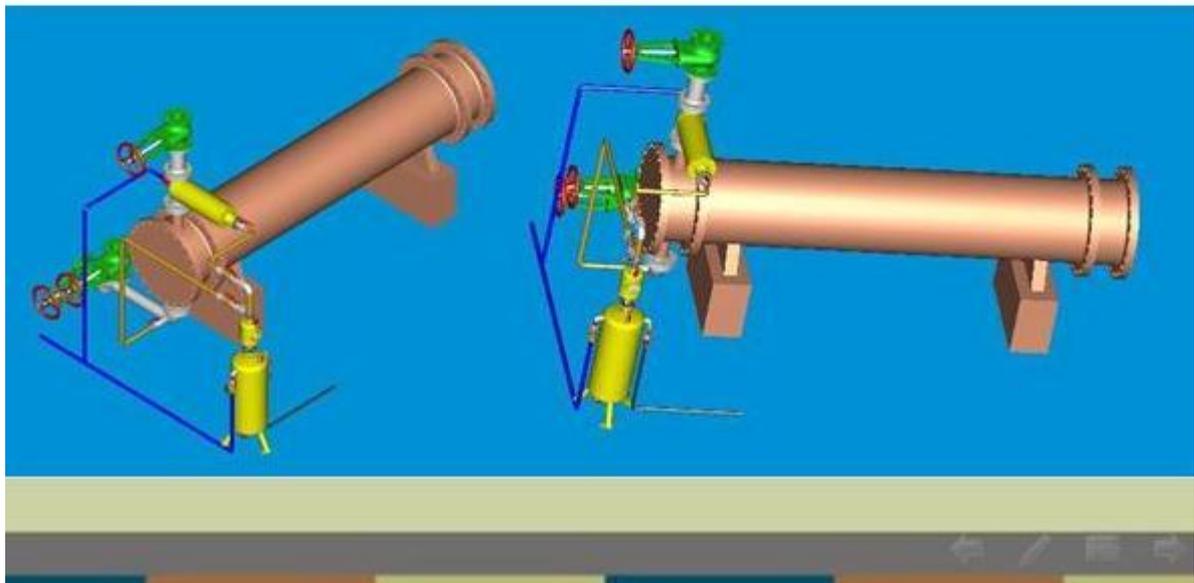
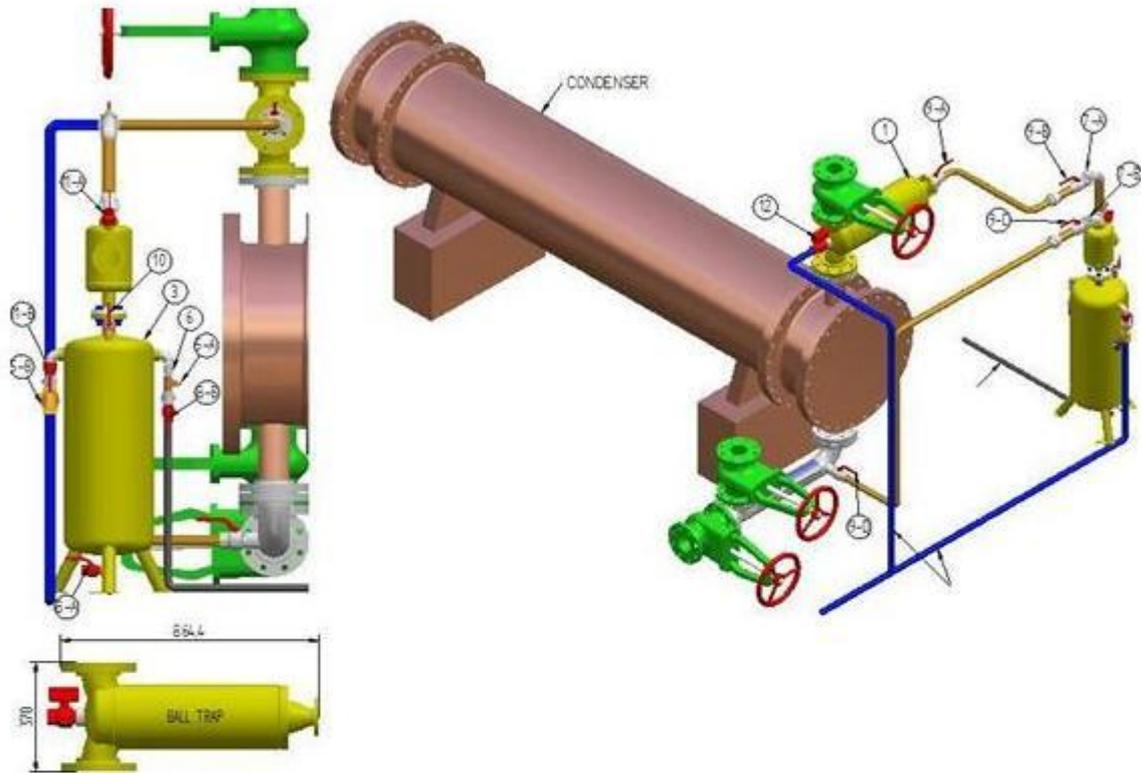


factory name		Plant type	
Paz Ashdod Refinery		Refinery	
plant	General explanation on the factory		
Amine plant	<p>The Ashdod Refinery commenced operations in 1973, after three years of construction, in order to meet the needs of the Israeli market which exceeded the production capacity of the Haifa Refinery.</p> <p>The refinery is located 4 kms north of the city of Ashdod. The decision to construct a new refinery on the sand dunes north of Ashdod was based on the following considerations: available land, geographical dispersion of refining industries due to security risks, centrally located in the heart of the country's area of consumption, occupational opportunities for Ashdod which absorbed many waves of new immigrants, proximity to the Pi Gllot fuel depot and the Eshkol power plant.</p> <p>Today, a pipeline connects the refinery to the national fuel pipeline, the crude oil Eilat-Ashkelon pipeline and two Israel Electric Company sea lines in Ashdod.</p> <p>The Ashdod Refinery is connected to the national gas pipelines and uses LPG to heat its furnaces. The use of natural gas significantly reduces the emission of contaminants to the environment, and is economical in energy costs.</p> <p>An electric and steam plant is planned for construction on the site of the refinery, which will also be based on natural gas. The plant is scheduled to enter into operation in mid-2008</p>		
HDS plant			
Crude Fractionation unit			
ATCS size	Date of first installation	Number of systems	Bundle & tubes size
4" - 6"	2003	4	
Explanation on the installation			
The first installation was (ATCS) on a very problematic heat exchanger (151 – C5) which is critical in the MEA Amine gas cleaning process. On the shell hydrocarbons 140°F gas with few H2O cool by cooling tower water in the tubes			Straight tubes bundle. Carbon steel tubes. Tubes size 0.75" 13BWG.
HDS plant on the end reformat (gasoline) On the shell gasoline 194°F cool by cooling tower water in the tubes			Straight tubes bundle. Carbon steel tubes. Tubes size 0.75" 13BWG.
Crude plant on Atmospheric Distillation Units the cooler is the overhead product water cooler. On the shell Naphtha gas cool by cooling tower water in the tubes.			U tubes bundles. Carbon steel tubes. Tubes size 0.75" 13BWG.

Paz Ashdod Refinery







The situation before installed the ATCS system



Amine plant - ATCS working on H₂S condenser

