



REFERENCE INFORMATION NOTE;
ATAKAŞ STEEL COLD MILL COMPLEX WATER TREATMENT PLANT
Water Circulation Rate : 2.400 m³/h (The Construction of Turnkey)
Capacity : 1.500.000 tons per year (DANIELLI, INGERSOLL RAND)
Date : 2015/2016



WTP Area Construction



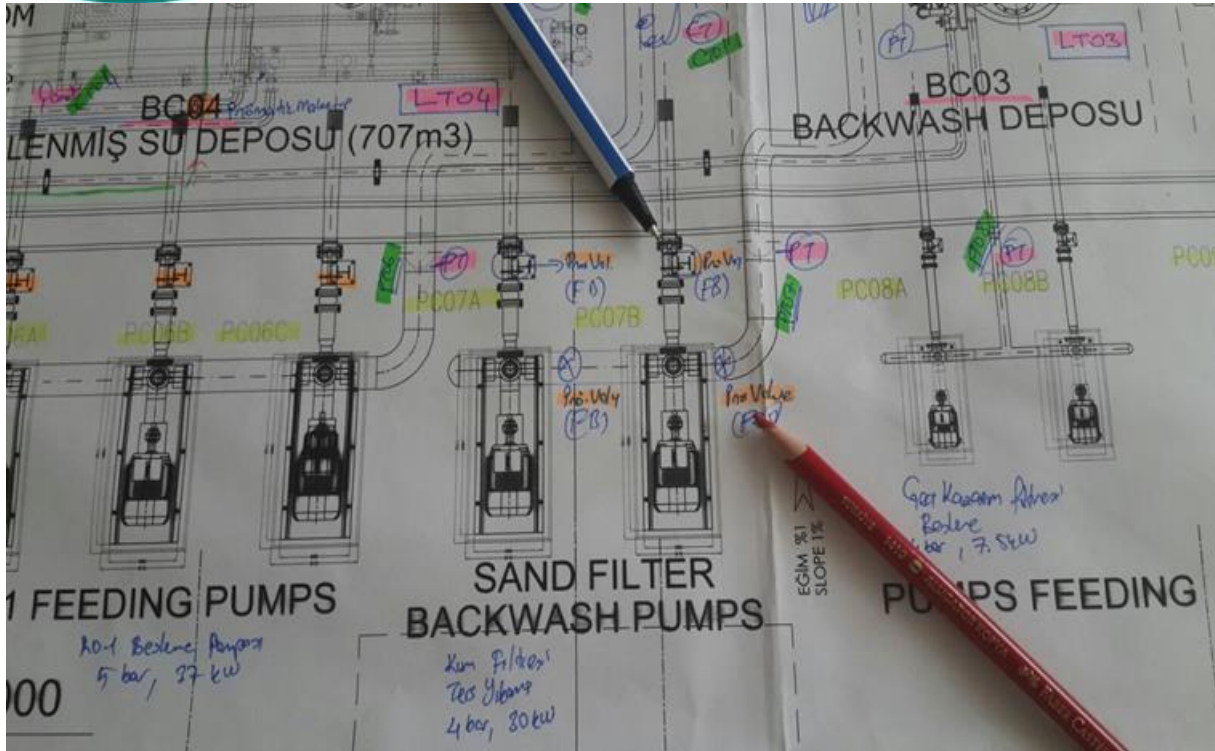
Pumps Suction and Water Basin Construction



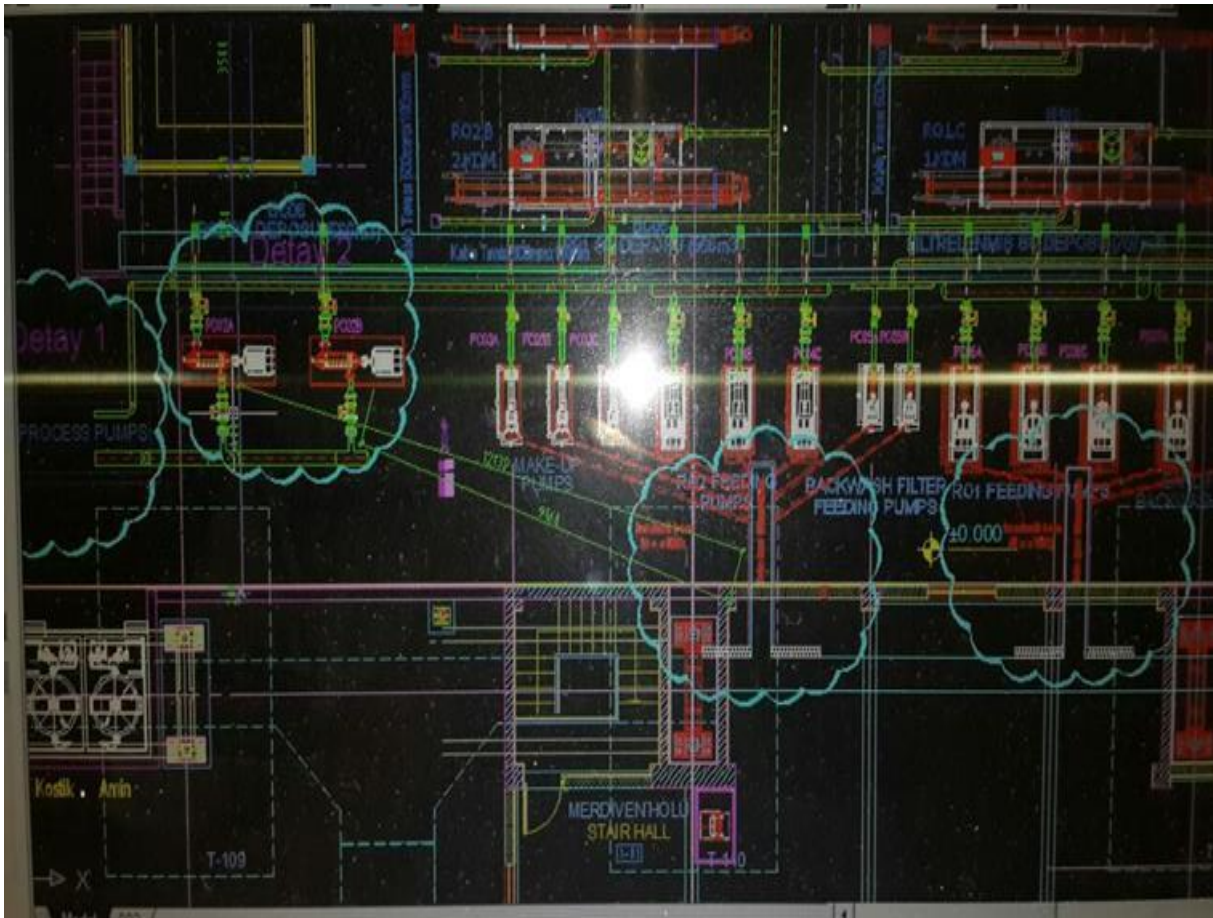
Water Basin Area Construction



Cooling Tower Basin and Circulation Pump Layout Studies



WTP General Layout Studies



WTP General Layout Studies



Cooling Tower Basin and Pump Suction Construction



Pumps Anchor Embedded Area



Cooling Tower Basin and Installation



Cooling Tower Installation



Cooling Tower Installation



Cooling Tower Fan Installation



Cooling Tower Installation



Circulation Pumps Installation



Circulation Pumps Installation



Circulation Pumps Installation



Circulation Pumps Installation



Circulation System with Side Stream Filters Installation



Circulation System with Side Stream Pumps and Filters Installation



Circulation System Chemical Dosing Unit Installation



Process Water Treatment Basins Drain and Overflowing Installation



Process Water Treatment and Compressed Air Plant Area



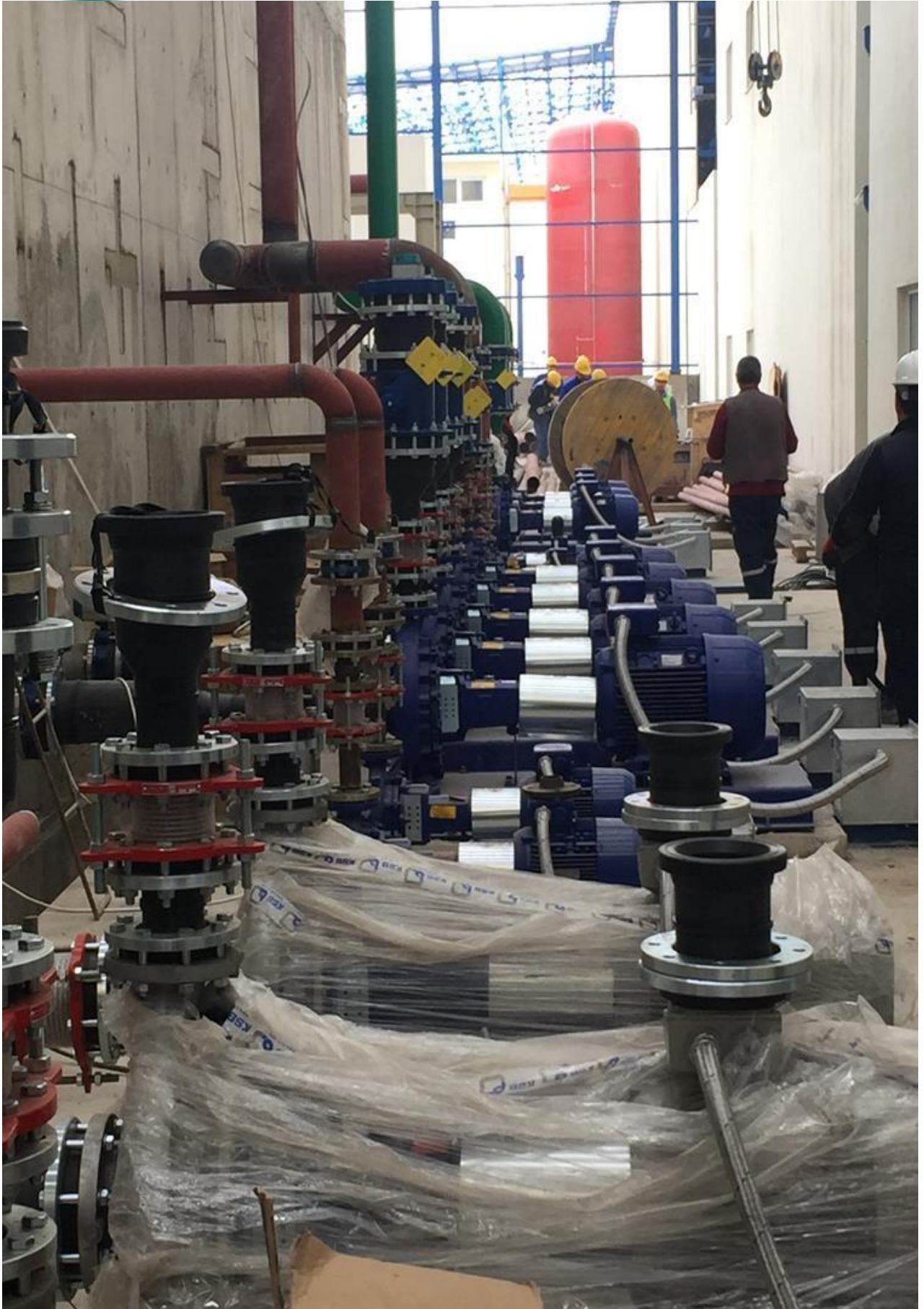
Pumps Suction Embedded Plates/ Pipeline Embedded Plate /Consruction/Electric Power Conduits



Pump Suction Filters (PE100 HDPE Filter)



Process Water Treatment Pumps Installation



Process Water Treatment Pumps Installation



Process Water Treatment Pumps Installation



Process Water Treatment Pumps Installation



Process Water Treatment Pumps Installation



Process Water Treatment Pumps Installation



Process Water Treatment Pumps Installation



Sand Filter Pumps And Compressed Air Tanks Installation



High Pressure Porcess Pump Installation



High Pressure Porcess Pump Installation



Pump Discharge Line (PE100 HDPE Pipe) Installation



Process Water Mechanical Filters Installation



Sand Filter Installation



Sand Filter Installation



Sand Filter Installation



Sand Filter Valve Installation



Sand Filters Nozzles



Reverse Osmosis Installation



Reverse Osmosis Installation



Reverse Osmosis and Sand Filter Installation



Sand Filter Installation



Sand Filter Blower Installation



Reverse Osmosis Installation



Reverse Osmosis High Pressure Pumps and Security Filter Installation



Chemical Dosing Unit Installation



Reverse Osmosis Pure Water Line Installation



Reverse Osmosis Membrane Filter Installation



Sand Filters and Reverse Osmosis Area General Appearance



Water Treatment Area , Process and Emergency Water Basin Tower General Appearance



Process Water And Emergency Water Basin Tower Pipeline Installation



Compressed Air Plant Air Tanks Installation



Compressed Air Plant (Upside) and Water Treatment Plant (Downside) General Appearance



Compressed Air Plant Air Tanks and Pipeline Installation



Compressed Air Plant General Appearance



Compressed Air Plant Compressors and WTP Sand Filters (Upside) Installation



Compressed Air Plant Compressor Pipeline Intallation



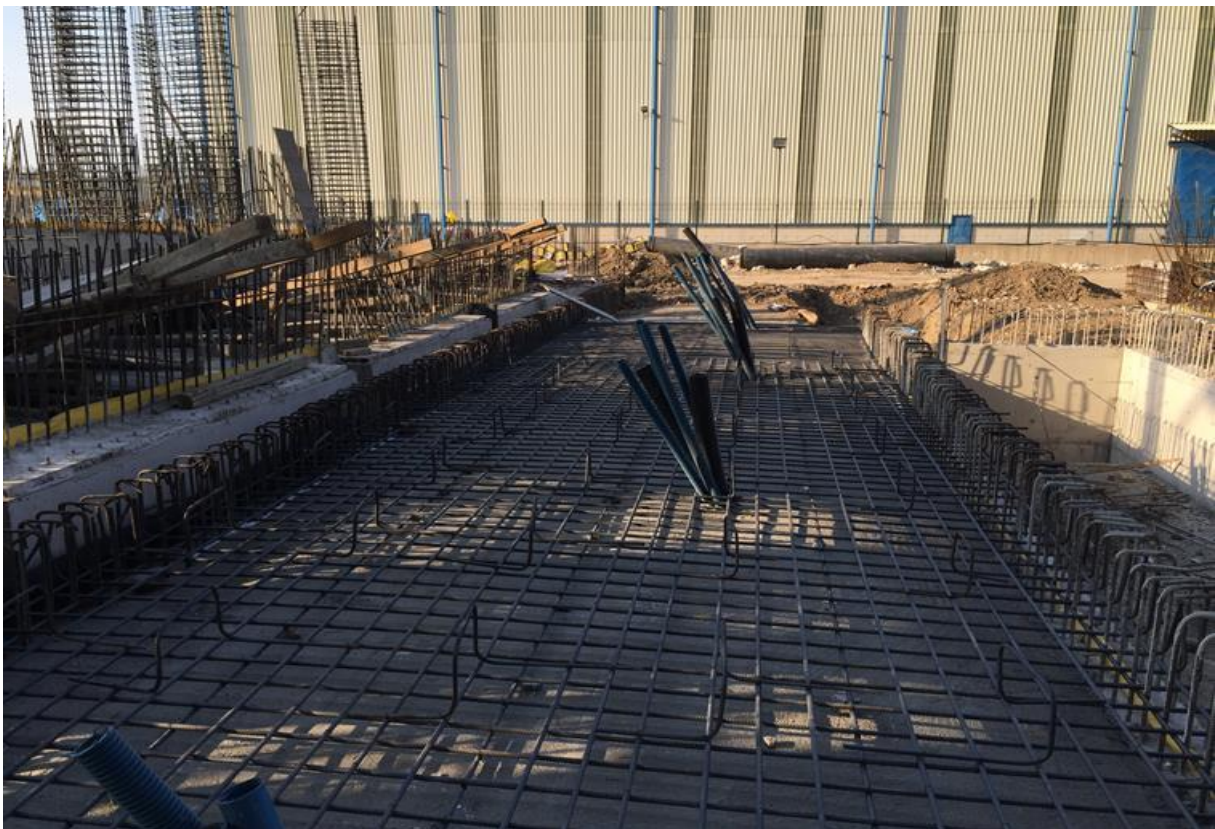
Compressed Air Plant Compressor Pipeline Intallation



Compressed Air Plant and Sand Filter Pupms General Appearance



Etrasu Atakaş Site, Mechanical Construction Team



Pump and Instrument Power Supply Embedded Conduits



MCC /PLC Panel Installation



MCC /PLC Panel Installation



MCC /PLC Panel Installation

Best Regards
Kemal BOLAT
Project Manager
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