



Poolad Varzan-e-Kimia



## Company Profile

Poolad Varzan Kimia Co. (PKCO), a private joint stock company, was founded in Shiraz, Iran in year 2003 to supply and manufacture equipment used for Oil, Gas and Petrochemical Industries.

to profit by experienced and qualified engineers in the field of Oil Industries and appropriate facilities in the factory, main activities of our Co. have been concentrated on designing, manufacturing and after sales services of below items:-

- Air Cooled Heat Exchanger (ACHE)
- Shell & Tube Heat Exchanger (STHE)
- Retubing of Air Cooler and Shell & Tube Heat Exchanger
- Supplying of Equipment of Air Cooler and Shell & Tube Heat Exchanger

PKCO has ability of designing and manufacturing of different types of Air Coolers according to customer requirements.

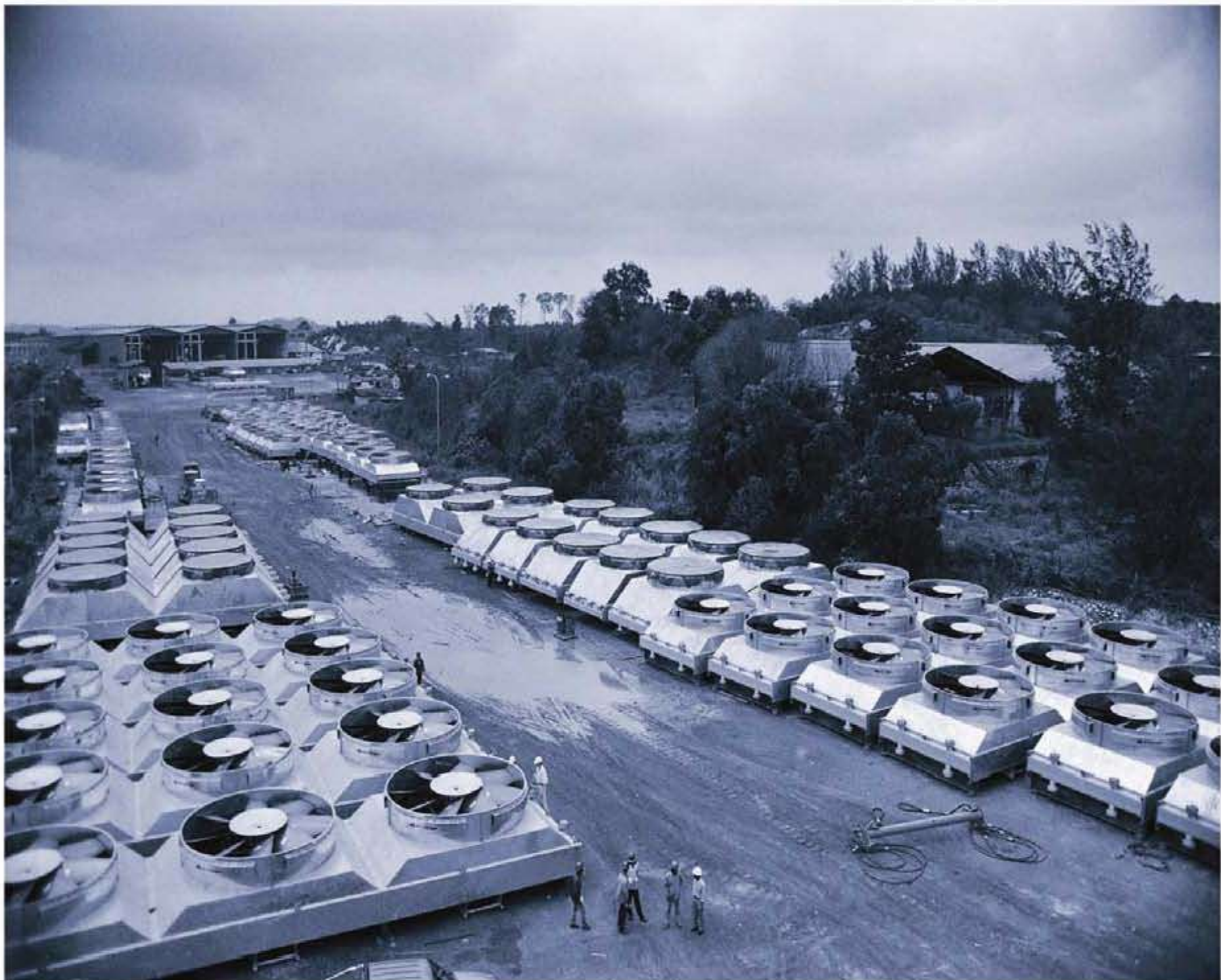
- Finned Tube Type
- Header Type
- Temperature and Pressure Range
- Type of Materials
- Type of Service (based on requirement)

Besides, PKCO has ability of designing and manufacturing of Shell & Tube Heat Exchangers in different defined types according to TEMA standard.

Production based on defined standards, advanced technology and customer satisfaction are main goals of our company.



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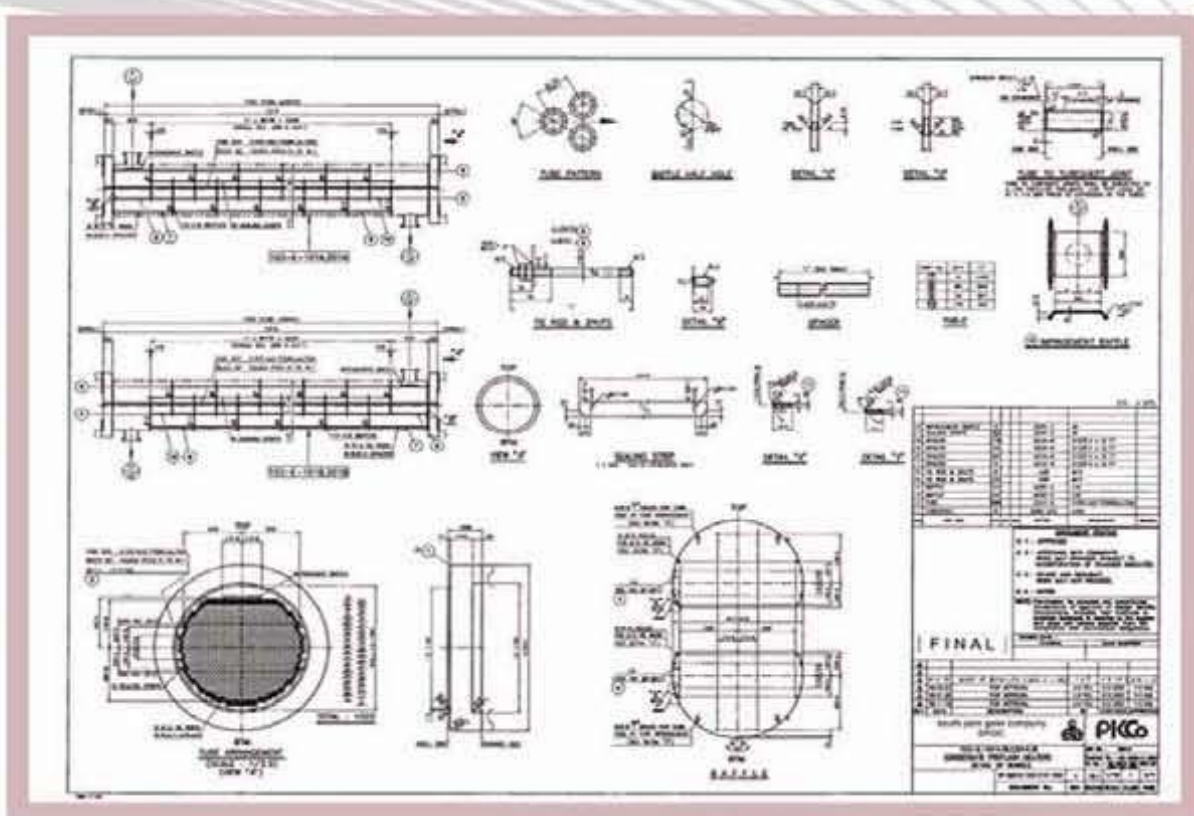
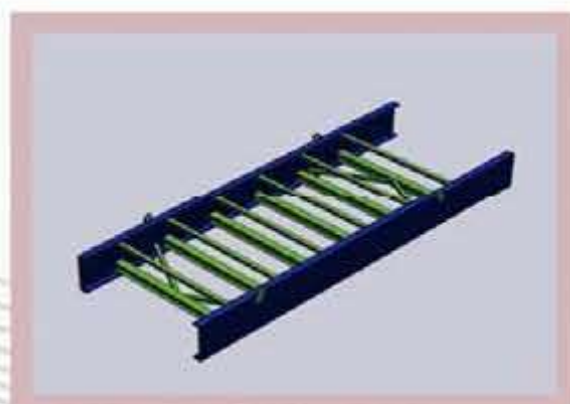
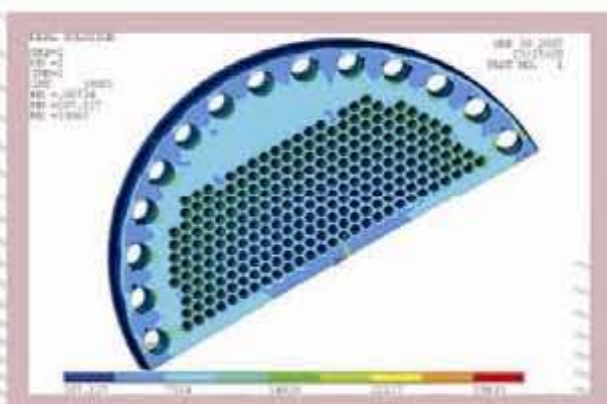
## Design & Engineering

Design & Engineering department, a division of PKCO, is a powerful and experienced team. By benefiting latest version of mechanical & thermal design softwares, our qualified engineers perform complex design with high thermal efficiency.

Our team performs thermal analysis by latest version of HTFS and B-Jack softwares and mechanical design by PV-Ellite, Micro Protol, Fin Glow and Catia softwares.

Besides, welding & metallurgical engineers perform designing & providing of welding procedure specifications (WPS) according to **ASME** , AWS , ASTM , ANSI, standards and relevant requirements.







## Air Cooled Heat Exchanger (ACHE)

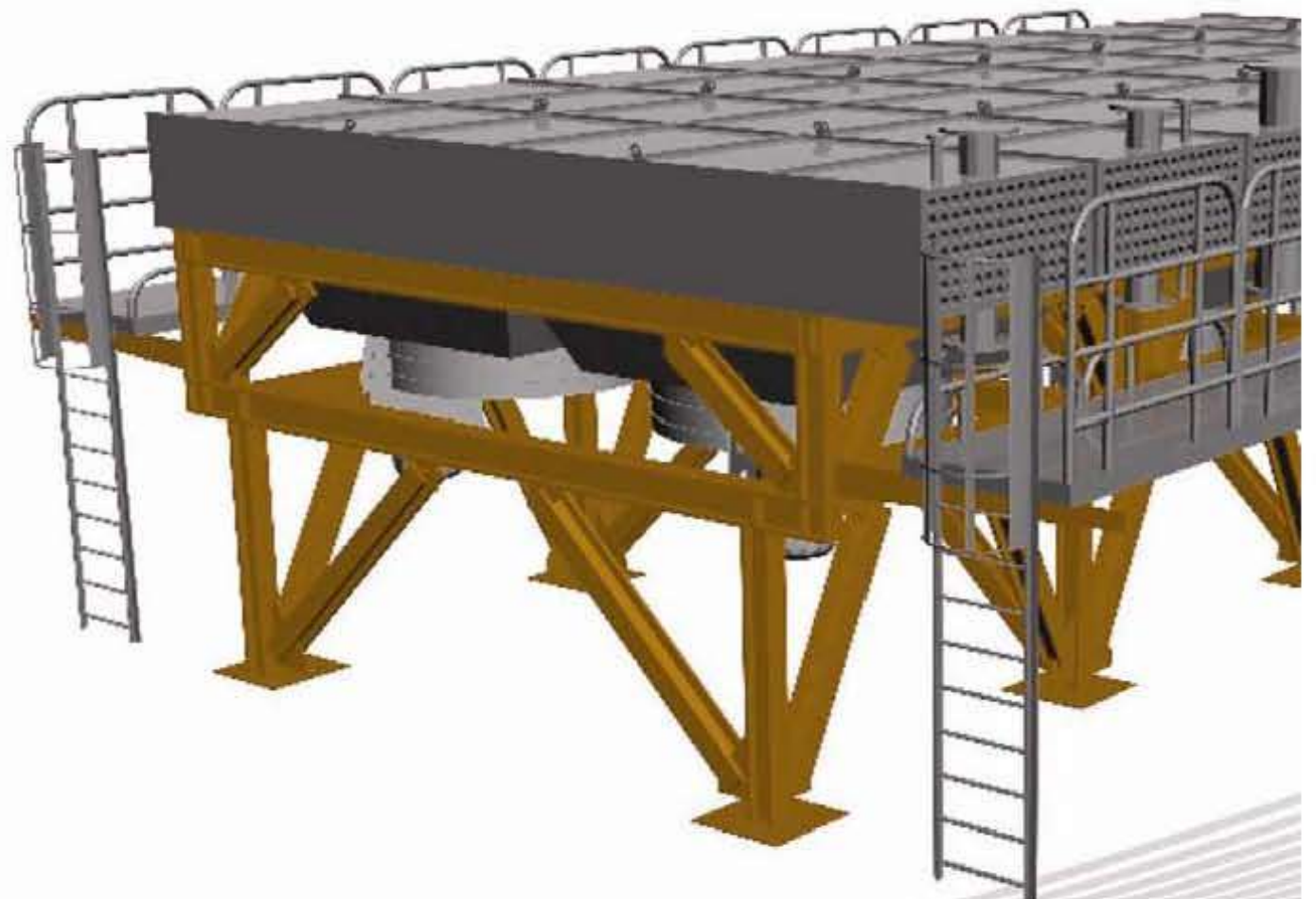
Air Coolers have advantage over Cooling Towers and Shell & Tube Heat Exchangers due to high efficiency and also do not require auxiliary water supply.

PKCO is a designer & manufacturer of Air Cooler according to API 661/ISO 13706 and ASME Sec. VIII standards.

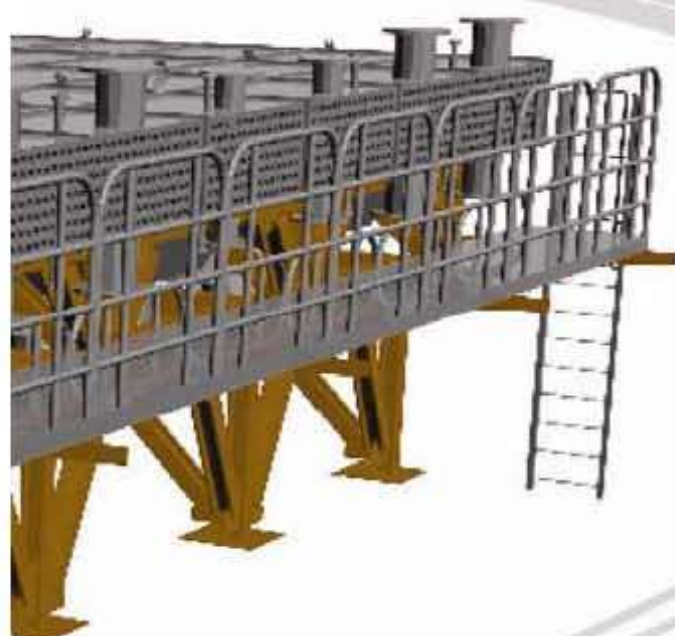
Air Coolers for Oil, Gas and Petrochemical utilizations which are designed and manufactured by PKCO can withst 400° c (temperature) and 550 bar (pressure) .

Below Air Coolers are designed and manufactured by PKCO .

- Forced and Induced Draft Air Cooled Heat Exchangers
- Hydro-Carbon Process and Steam Condensers
- Natural Gas and Vapor Coolers
- Combustion Pre-Heaters
- Lethal Service
- Unique Customizations
- Flue Gas Re-Heaters
- Turbine Lube Oil Coolers
- Turbine Inter Coolers
- Large Engine Radiators









## Shell & Tube Heat Exchanger (STHE)

PKCO is a designer & manufacturer of Shell & Tube Heat Exchanger according to below standards and materials:-  
API 660, ASME Sec.VIII Div. 1&2, TEMA Configuration P, S, T, W types, TEMA class C, B, R requirements.

- Carbon Steel
- Stainless Steel
- Copper
- Brass
- Bronze
- Aluminium
- Copper Nickel

PKCO policy is that to meet all customer requirements in production such as :-

- Welded Tube to Tube Sheet
- Low Finned Tube
- Fixed Tube Sheet
- Floating Tube Sheet
- U-Tube (Removable coils)
- Retubing & Repair









## Quality Assurance (QA) Quality Control (QC)

The main goal of Management of PKCO is that products to be produced and delivered according to latest related standards and customer requirements. Therefore PKCO has a regular & continual plan for production so that from the very beginning customer to be assured that needed products are produced according to related standards and requirements. This method includes all processes of Design, Supply, Raw Materials, Production, Packing and Delivery. Experienced and qualified staff and latest version of standards have helped us to attain the said goal.

Process of Quality Control Plan (QCP) based on related standards and customer requirements are basic principles of the Quality Management System of our company.

Finally, the Quality Management of PKCO prepares Final Data Book for customer. The said Data Book is including the below items:-

- Quality Control Plan (Q.C.P)
- Material Certificate
- Dimension Report
- NDT Reports, PT, RT, UT, MT
- Heat Treatment Report
- Welder Qualification Report
- Calibration Certificate
- Hydrostatic Test Report
- As Build Drawing











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