

**DESIGN and MANUFACTURING**  
**HIGH QUALITY PROCESS HEAT EXCHANGER**



**HIGH EN STANDARD CO., LTD.**

**High Quality Process Heat Exchangers**



# *make your applications **MORE EFFICIENT***

*HIGH EN STANDARD CO., LTD. is an engineering and manufacturing company which specializes in heat exchangers. We have the expertise to provide all the necessary functions for thermal rating, mechanical design, drafting, and shop fabrication.*



*"Our mission is to be the leader in the Design and Manufacturing of high quality and reliable heat exchangers in Thailand"*



***We** will make your applications more efficient, productive and cost-effective while remaining fully in conformance with your requirements and industrial standards. We put our years of heat transfer "Know How" to work for you. In addition to sizing a Shell & Tube Heat Exchanger for your specific heat transfer needs, our engineers incorporate measures to ensure ease of maintenance and longer equipment life.*

***WE** offer custom designed Shell & Tube Heat Exchangers for your specific needs. Some of the most common applications include:*

- Kettle Reboiler*
- Fuel Gas Heater*
- Compressor intercooler & aftercooler*
- Falling Film Evaporators*
- General Service Condenser*
- Feed water heater*
- Oil Cooler*
- Additionally we can custom size and fabricate specialty heat exchanger*
- Double Tubesheet for Pharmaceutical*





# make your applications **PRODUCTIVE**

*The primary goal of our engineering team is to provide the technical support required to solve your heat transfer problems. With the aid of state-of-the-art integrated software, our engineers can rate and size the appropriate equipment for your application.*

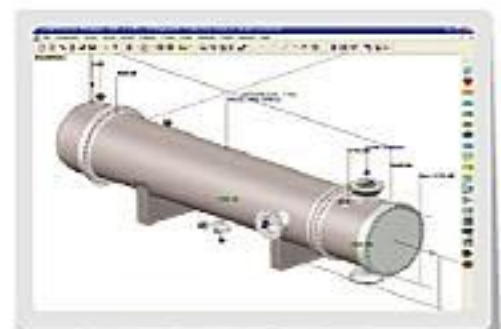
## **Thermal Design**

*We are dedicated to provide optimum design to suit your needs. Our design engineer can evaluate existing designs as well as size new designs. We are a member of the Heat Transfer Research Institute (HTRI). We use the most comprehensive software to design all type of shell & tube heat exchangers.*

## **Mechanical Design**

*Our dedicated and experienced engineer ensures that the design offered meets ASME code, all customer required and applicable specifications while minimizing fabrication difficulties. Our engineering staff can design According to ASME Sec.VIII Div.1 TEMA.*

*We use COMPRESS state-of-the-art mechanical design programs on all of our designs*



**Design by High-performance  
Thermal and Mechanical software**





make your applications **COST-EFFECTIVE**

## Our Capabilities

As a custom fabricator of Shell & Tube heat exchangers, we are constantly widening our manufacturing capabilities. Our current manufacturing capabilities include:

- Maximum thickness of shell 6" (depend on diameter)
- Maximum thickness of tubesheets up to 15" (depend on diameter)
- Nondestructive testing capabilities include PT, RT, MT, UT, PMI and others per customer requirements.
- Hydrotesting capabilities up to 10,000 PSI
- The latest in overlay welding technology, Including automatic tube to tubesheet welding



## Materials of Construction

- Carbon Steel
- All 300 series stainless steels
- 600 series nickel alloys
- 800 series alloys Duplex stainless steels
- Nickel 200





# HEAT RECOVERY & GAS-LIQUID APPLICATION



**STEAM HEATER**



**BOILER ECONOMIZER**



**BIO GAS DEHUMIDIFIED**



**Consider HIGH EN STANDARD CO., LTD.**

## **Quality Control, Quality Assurance**

*The Quality Control Department has responsibility over all phases of inspection and documentation on all specifications set forth by the customer and the applicable portions of the ASME CODE SECTION VIII, DIVISION I; latest edition and addenda.*



*Obviously HIGH EN STANDARD CO., LTD.  
is certified in accordance with ISO9001*



**High En Standard Co., Ltd.**

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