

LEADERSHIP • COMPETENT • EXPERIENCE



SEAL SUPPLY SYSTEM

We strive on our passion to fabricate your engineered products!

INTRODUCTION

Leng Choong Engineering was established in the year 1977. Back then, the Company supported its Clients whom were pioneers in the Natural Gas industries in Singapore. In the year 1991, Leng Choong Engineering incorporated into a private limited company. The Company core business has not changed since then, and today, is still a mechanical engineering fabricator specializing in the design, fabrication, installation and testing of engineered equipment.

We specialise in the fabrication of API Sealing Systems, Pressure Vessels, Heat Exchangers, Dry Gas Seal Panels and Gas Conditioning Units (GCU) for the Oil & Gas, Chemical, Pharmaceutical and other related industries.

Today, Leng Choong Engineering Pte Ltd has attained accreditation from the American Society of Mechanical Engineers (ASME) on the use of **"U"** Stamp for the manufacturing of Pressure Vessels, and has also been accredited by The National Board (NB) on the use of **"NB"** and **"R"** Stamp for Metallic Repairs and Alterations of Power Boilers and Pressure Vessels.

OUR CORE VALUES

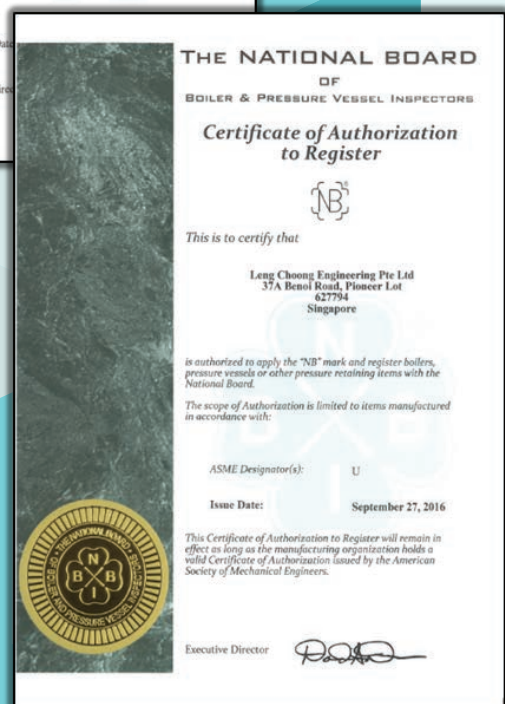
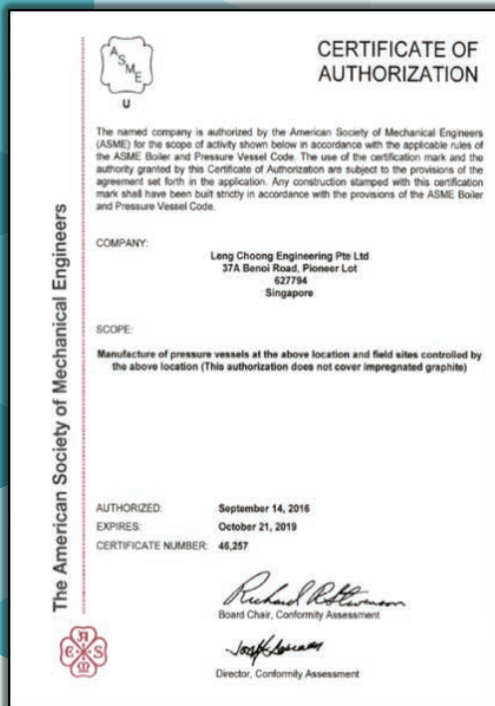


CAPABILITIES

Leng Choong Engineering is able to perform mechanical designs, calculations and detailed fabrication drawings for Pressure Vessels, Shop Fabricated API Systems, and Shell & Tube Heat Exchangers according to the following codes and standards:

- ASME Boiler and Pressure Vessel Code, Div.1 ("U" Stamp)
- National Board Inspection Code, Part 3, Repairs and Alterations ("R" Stamp)

Leng Choong Engineering is capable of fabricating Gas Seal Control Panels, Single & Double Wrapped Coils for Heat Exchangers, API-682 Wet Seal Systems, API-682 Vessels and Heat Exchangers and other related equipment's. We even provide welding services that qualify for radiography testing, according to ASME standards.



SEAL SUPPLY SYSTEM

Depending on the design, application and mode of operation, supply system are required to flush, cool and pressurize mechanical seal, coupling and provide leakage compensation. Leng Choong Engineering can supplies complete range of solution from a single source including design and manufacturing. The portfolio includes a complete range of API compliant supply system.

PRODUCT RANGE & SERVICES

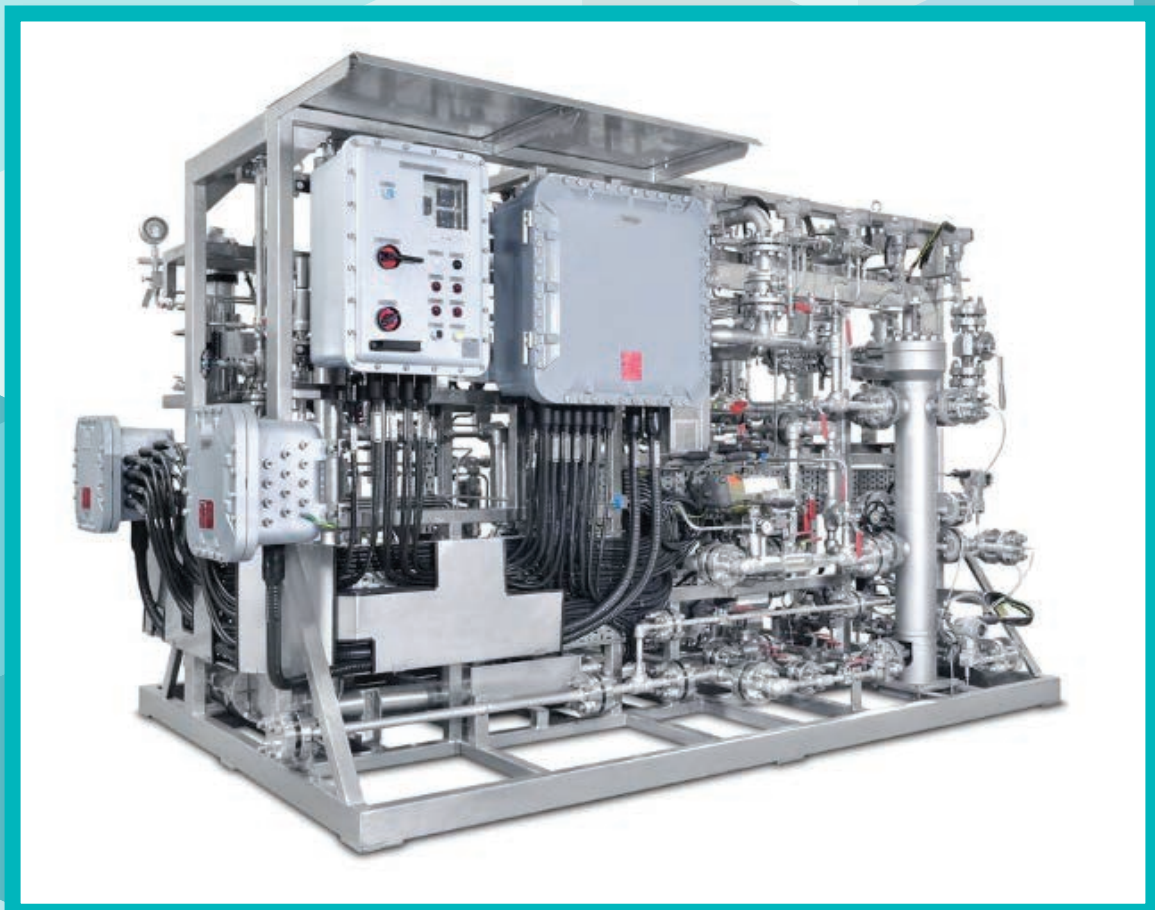
Fabrication:

- of API-682 Plan Systems
- of ASME Pressure Vessels
- of HP, MP and LP Dry Gas Seal Control Panels and Conditioning Skids
- of all forms of structural supports and skids
- of Stainless Steel Tubing for Single and Double Wrapped Cooling Coils for Heat Exchangers
- of Mechanical Seal Storage Canister

Welding:

- of Piping to ASME Standards for Carbon/Stainless Steel, including exotic materials

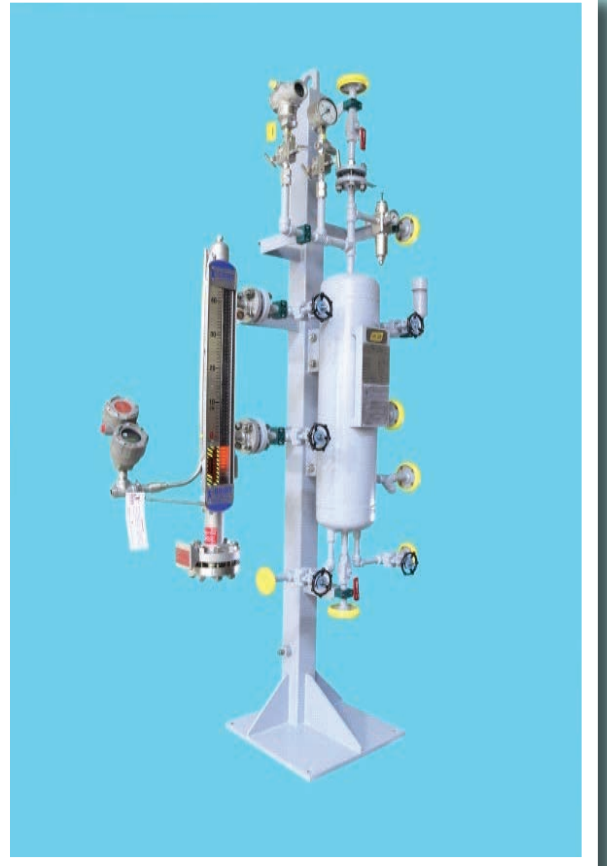
PHE DRY GAS SEAL SYSTEM



PLAN 32



PLAN 52 SYSTEM

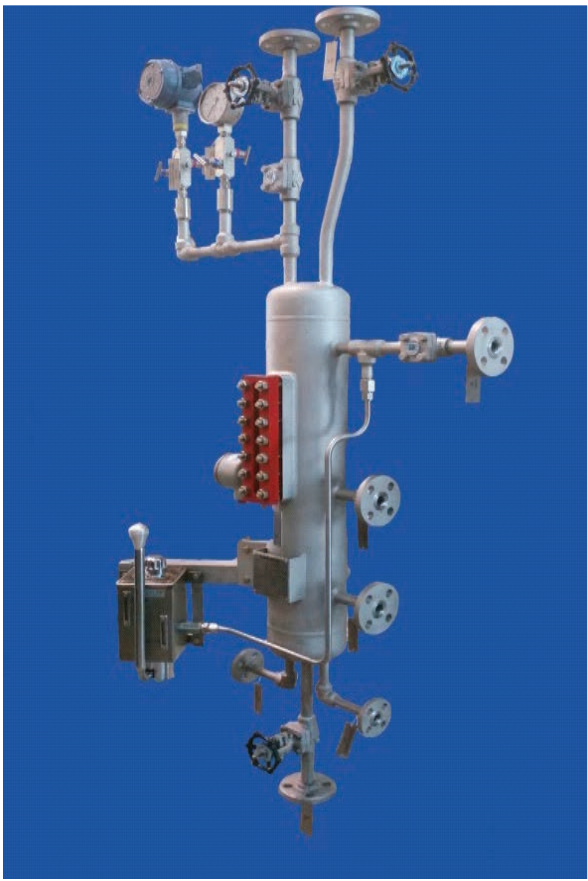


PLAN 52



ASAHI PLAN 23 SYSTEM

PLAN 53A SYSTEM



**PLAN 53B SYSTEM C/W DOUBLE
HELICAL AIR FINNED COOLER**



**PLAN 53B SYSTEM C/W SINGLE
HELICAL AIR FINNED COOLER**

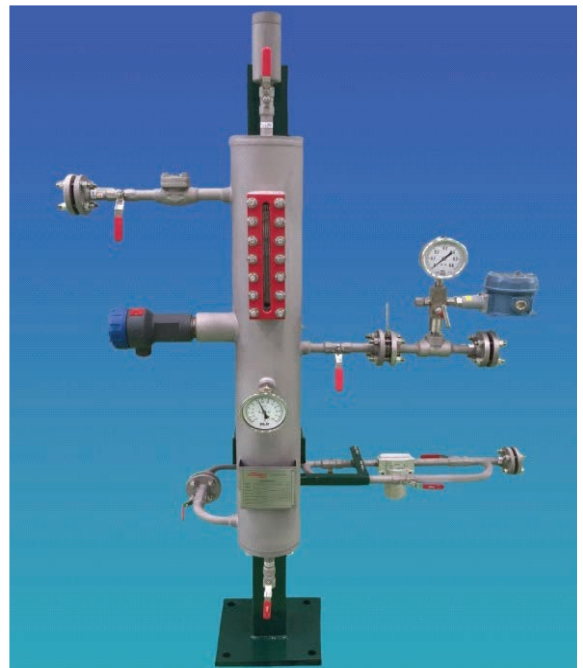


**PLAN 53B SYSTEM C/W
BUNDLE TYPE COOLER**

MATINDOK PLAN 62 SYSTEM



PLAN 54 SYSTEM



PLAN 54 SYSTEM

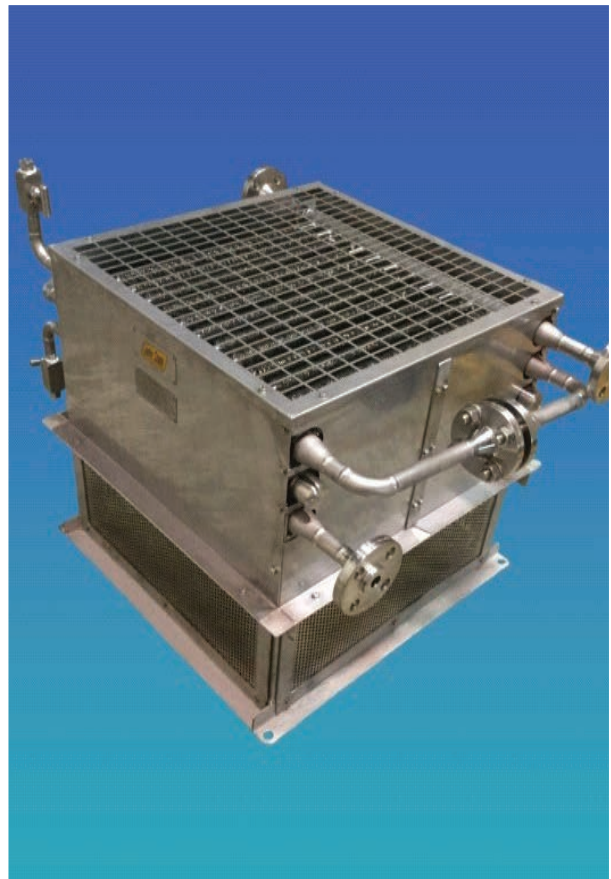


PLAN 72 SYSTEM

PLAN 74 SYSTEM



AIR COOLER HEAT EXCHANGER



PLAN 76 SYSTEM



PISTON POT

MMUU REFILL TROLLEY



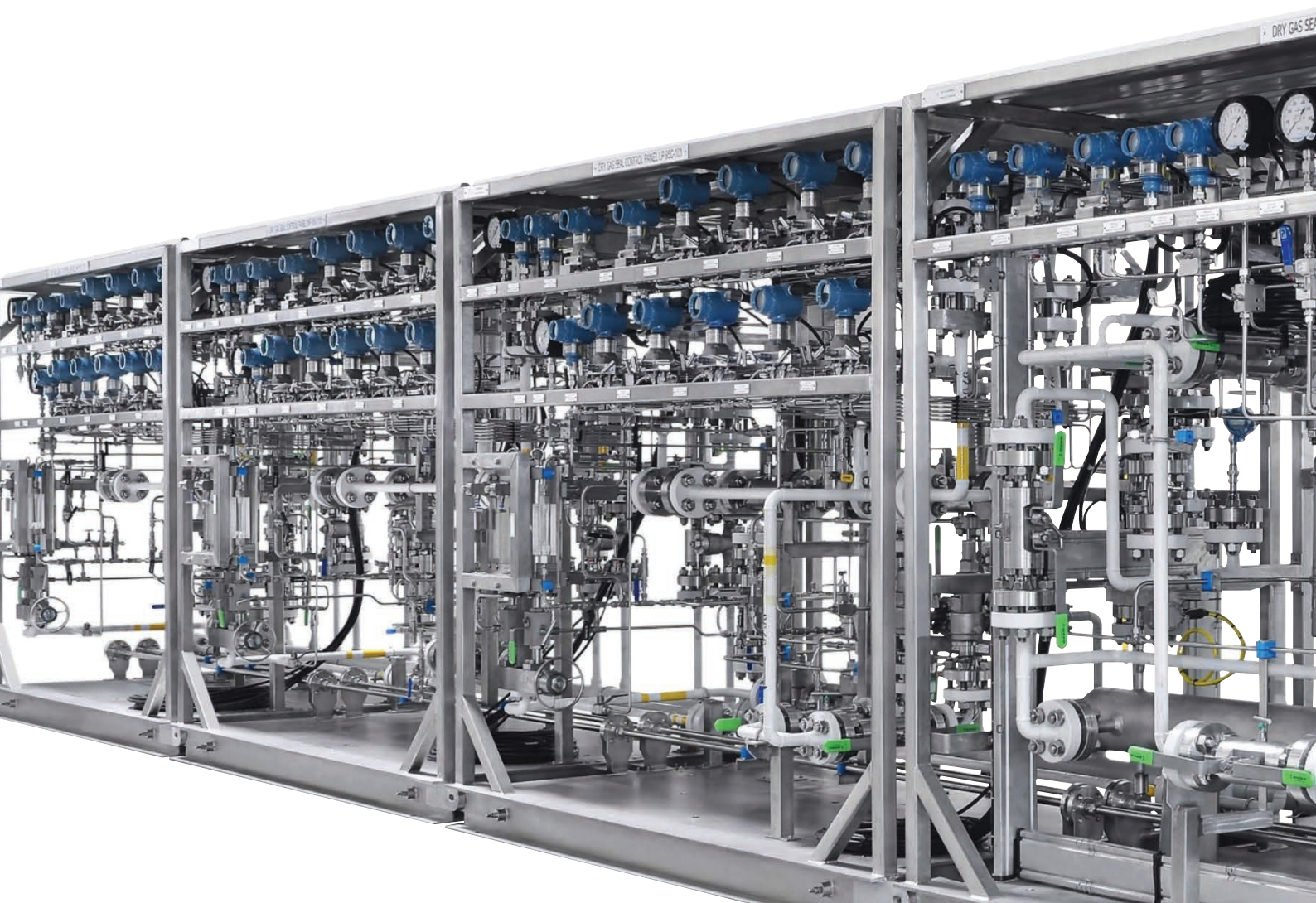
ASME "U" STAMPED CLEANPAC FILTER



COOLING COIL

OTHER SERVICES

- Repair/Reconditioning of pressure vessel and related pressurized pipeline
- Engineering Services
- ASME Pressure Vessels (Drawing and Design Calculations)
- DOSH Pressure Vessels (Drawing and Design Calculations)
- Mechanical Pipeline Drawing and P&ID Layout
- All sorts and scales of Electrical & Instrumentation Works
- Hydrostatic Testing of pipelines and pressure vessels
- Functionality Testing for Ampliflows, Control Valves and Gas Boosters
- Sourcing of raw materials for local and overseas enquiries as per customer's requirements:
 - Pipe and Pipe Fittings
 - Structural Materials (Plates, Hollow Sections, Beams, Channel Bars, Angle Bars, Flat Bars, Square Bars, Round Bars)
 - Fasteners
 - Gaskets
 - Valves
 - Tubes
 - Tube and Instrument fittings
 - Instruments and Equipment
 - On-site surveys for workshop and field
 - Surface Preparation (Chemical Washing, Pickling, Painting and Blasting)
 - Integration of Valve Manifolds Into Transmitter



FLUID PROCESS DYNAMICS (S) PTE LTD (HEAD OFFICE)

One Commonwealth Lane, #09-29 One Commonwealth Singapore 149544

Tel: +65 6659 2282 • Email: bwong1830@fpdynamics.com