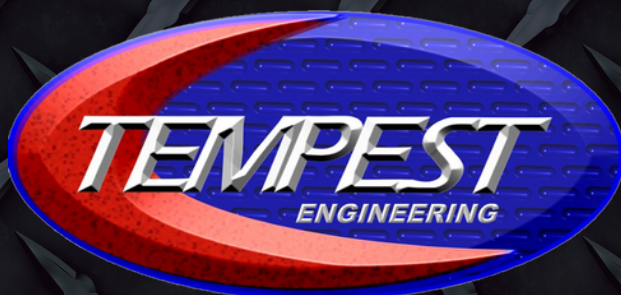


E:TCU

TEMPERATURE CONTROL UNITS

OIL & GAS PROCESSING APPLICATIONS

CUSTOM
ENGINEERED



INDUSTRIAL
HEAT
TRANSFER
SYSTEMS



TEMPERATURE CONTROL UNITS

ENERGY EFFICIENT | ENVIRONMENTALLY FRIENDLY | ECONOMICALLY RELIABLE

EQUIPMENT OPTIONS

HOT WATER UNITS: (INDUSTRIAL DUTY)

- Typical Temperature Range up to 300F
- Steam or Electric Heat
- Direct Injection, Shell & Tube Exchanger, or Plate & Frame Exchanger using plant cooling water source
- Single Zone or Multiple Zone
- Portable or Stationary
- Vertical or Horizontal Configuration

SPECIALTY WATER & OIL APPLICATIONS

- Custom Temperature Control Units
- Heating/Cooling Combination System: -100F to 700F
- Mixer TCU's
- High Volume TCU's
- Reactor TCU's
- Automatic Oil Weigh Systems
- Explosion Proof Designs

MINI-TEMPERATURE HOT WATER TEMPERATURE CONTROL UNITS

- Compact Industrial Duty
- Portable Single Zone or Multiple Zones
- Multiple Zones on a Single Skid with cooling water header with hose connections to each zone and bladder expansion tank
- Electric Heat
- Direct Injection or Heat Exchanger Cooling
- Custom Flow Rates
- Custom Heating and Cooling Capacity



APPLICATIONS

UPSTREAM

- Refrigeration solutions for Onshore/Offshore production
- Gas Dew Point control by refrigeration
- Hydrocarbons recovery

MIDSTREAM

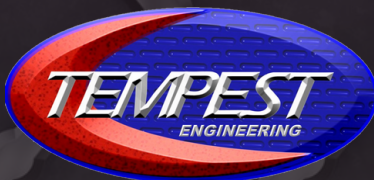
- Refrigeration in Natural gas processing
- Gas to Liquid applications
- Vapor recovery units (VRU)
- Boil Off Gas recovery
- Loading/Unloading Refrigeration
- Small scale LNG liquefaction

DOWNSTREAM

- Process cooling
- Hydrocarbons cooling
- Mixed hydrocarbon, compression & liquefaction
- CO2 processing
- Gas liquefaction
- Light ends separation
- LPG and condensate recovery by turboexpander
- De-ethanizer condenser refrigeration
- Flare gas/vent/vapor recovery
- Chemical reaction temperature control
- Nitrogen chilling Gasoline fractionation
- Utility cooling (chilled water, chilled glycol)
- Fertilizers plant, Ammonia BOG & Ammonia refrigeration system



INDUSTRIAL CHILLER EQUIPMENT



ALSO AVAILABLE

ENGINEERING &
MAINTENANCE SERVICES
AVAILABLE