

Oil & Gas

# ESSENTIAL RAW MATERIALS FOR EVERYDAY LIFE



## EXPERT SOLUTIONS FOR YOUR PROJECT

Oil and gas play a significant role in the **global energy mix**. **Kelvion** is the **experienced partner** at your side with **trendsetting solutions** that provide **efficient heat exchange** capabilities in production, transportation, and processing for the oil and gas industry, with **outstanding reliability, availability**, and an unyielding pursuit to **cut your life-cycle costs** to the core.

**Solutions** for every link in the **hydrocarbon chain**. From extraction – onshore and offshore – to refining, processing, transportation and storage, Kelvion has the right heat transfer solutions throughout the hydrocarbon chain. **Our products** and **expert know-how** help customers in the oil and gas industry to **save energy, increase efficiency** and **reduce their environmental impact**.

## OUR AREAS OF EXPERTISE



CRUDE OIL  
REFINING



DRILLING



OIL & GAS  
PRODUCTION



OIL & GAS  
TRANSPORTATION



PETRO-  
CHEMICALS

# OUR SOLUTIONS FOR THE HYDROCARBON CHAIN

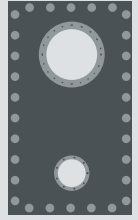
## GASKETED PLATE HEAT EXCHANGERS

- ▶ High efficiency at low operating costs.
- ▶ Greater application possibilities at lower investment costs.
- ▶ Maximum economic efficiency.
- ▶ Service and maintenance costs are kept low.



## FULLY-WELDED PLATE HEAT EXCHANGERS

- ▶ Outstanding heat transfer coefficients.
- ▶ Require only minimal cleaning and servicing.
- ▶ Offer convincing performance even under the most difficult circumstances.



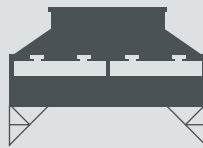
## SHELL & TUBE HEAT EXCHANGERS

- ▶ For a wide variety of applications.
- ▶ Cost efficient and reliable solutions.
- ▶ Standardized product lines for an optimal price/quality ratio.
- ▶ Customized designs for the most demanding duties in oil & gas.



## SINGLE TUBE HEAT EXCHANGERS

- ▶ Single tube heat exchangers are tailored for individual applications.
- ▶ Operate more efficiently and reduce your operating costs.
- ▶ Available in a wide range of materials.



## WET COOLING TOWERS

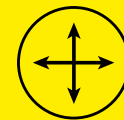
- ▶ Modular cooling tower system can be expanded and customized.
- ▶ Standardized system allows for significant cost advantages.
- ▶ Customized modifications to meet your special requirements.



up to  
**350°C**



up to  
**35 BAR**



**SMALL**  
Footprint



below  
**1 YEAR**

- ▶ K°Bloc provides heat transfer coefficients from 3 to 5 times higher than conventional technologies for liquid-to-liquid, condensation and reboiling applications.
- ▶ Payback time below 1 year in average.
- ▶ Compact solution for debottlenecking.
- ▶ Solidly bolted frame consists of four columns, top and bottom plates as well as four side plates.
- ▶ Plates can be detached swiftly and allow free access all the way around for thorough and easy cleaning of the fully welded plate pack.
- ▶ The K°Bloc plate heat exchanger design offers two different plate corrugations:
  - Chevron corrugation enables effective heat transfer.
  - In contrast, double dimple corrugation is the first choice for highly viscous media.

