



Gas technology

PLANTS FOR TREATMENT AND UTILIZATION of associated petroleum gas



ALWAYS AN IDEA AHEAD

These plants are used in the oil extraction industry in order to obtain valuable material from the natural gas found with crude oil deposits. To this end, first of all it is necessary to adjust the dew point of the gas, for example by glycol drying. In a next step, products such as gas condensate and LPG can be separated from the gas by means of special measures.

Process stages

- Gas compression
- Adjustment of dew point
- Generation of stable oil fraction
- Generation of liquefied gas fraction

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of associated petroleum gas

Applications

Separation of liquids and solids

The process of associated petroleum gas processing may comprise several stages, those cited below are mostly built on one another:

Gas compression as well as re-cooling and separation of condensate

Re-cooling of gas and separation of condensate

Option 1: Further transportation in pipeline
Option 2: Further processing

Addition of methanol and / or drying of gas (with regard to water) to avoid formation of gas hydrate

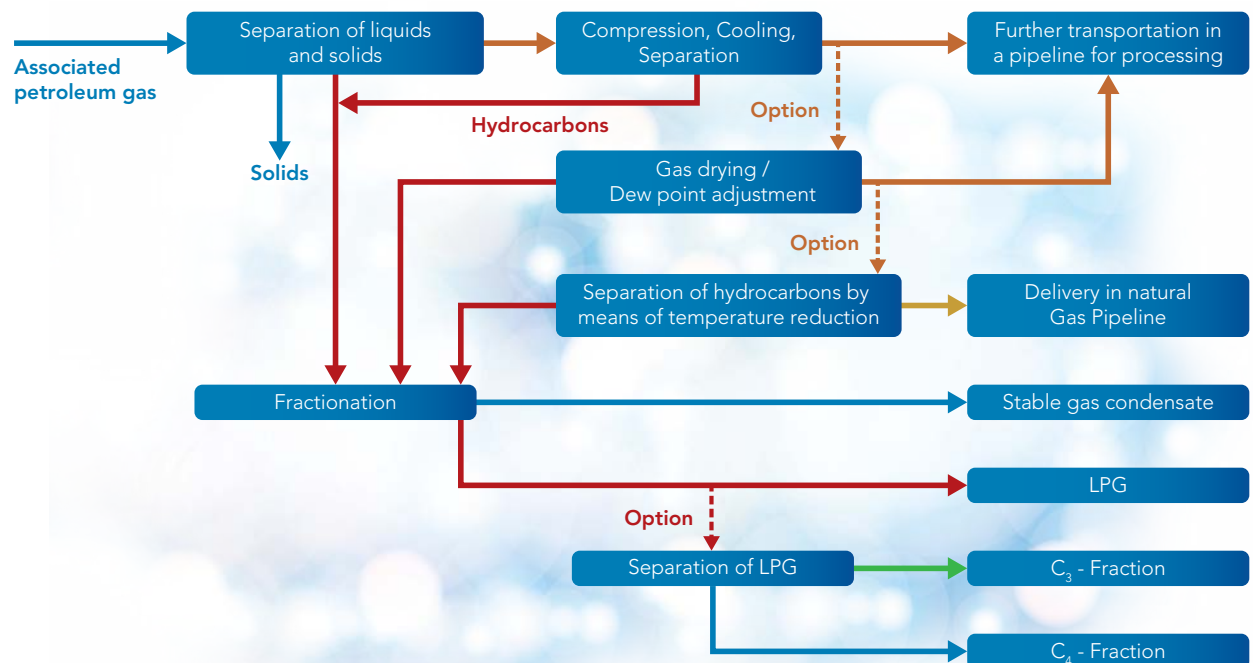
Condensation of heavy hydrocarbons by temperature reduction

Treatment of heavy hydrocarbons to obtain marketable LPG

Treatment of heavy hydrocarbons to obtain propane, butane and C₅₊-fraction

Recovery of sulfur compounds (option)

Process scheme



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