Arctic Pipelines

Design of pipelines in arctic regions or extremely cold environments (such as northern Caspian Sea or Barents Sea) requires overcoming additional challenges to that of onshore and/or offshore pipelines.

CyrusOGR will provide you with a number of custom-made integrated work packages that will cover all areas of arctic pipeline design including the specific design challenges and installation techniques.

In CyrusOGR, we provide our expertise in the areas of:

- Limit state design (mechanical design)
- Ice specific challenges
  - Design for Permafrost, Thaw Settlement and Frost Heave
  - Design against Ice Ridge and Ice Rubbles
  - Icebergs consideration
  - Design against Ice Gouging
  - Design against Stamukha
  - Strudel Scour consideration

Arctic Hydrocarbon Potential (©USGS)
• Thermal design
• Risk assessment

For further information, please contact us on info@cyrusogr.com

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