Effective deepwater flow assurance

The FATHOM™ XT deepwater subsea-certified chemicals from Baker Hughes, a GE company (BHGE), are effective deepwater flow assurance treatments that help operators produce safely and reliably. All FATHOM XT chemicals undergo stringent design and testing and must meet standards for performance, material, and physical compatibility, as well as capillary and umbilical stability.

FATHOM XT certification helps confirm low- and high-temperature stability as well as high-pressure deliverability. It provides engineered answers for deepwater applications using either existing or custom solutions that are manufactured to subsea tolerances and compatible with application materials.

Our certification process incorporates 16 different laboratory tests built on the standards recommended by the findings of the Blockage Avoidance in Subsea Injection and Control Systems (BASICS) Joint Industry Project (JIP), and published in API specification 17A TR6 to confirm each chemical product is qualified for reliable subsea application.

This vigorous qualification process means that you can rely on our deepwater products to help enhance performance for mitigating flow assurance and asset integrity challenges in virtually any deepwater or ultradeepwater production environment.

Every FATHOM XT chemical is analyzed for compatibility with standard metals and soft goods materials to make sure there are no unexpected interactions during injection. Our chemicals are manufactured with an ultraclean process to meet both your requirements and the level of chemical purity required for umbilical injection.

In addition, BHGE specialists undergo a demanding competency assessment before working offshore. Each member is trained to apply FATHOM XT chemicals properly and to recognize incompatibilities and other potential problems.

Applications
- Deepwater production
- Subsea tiebacks

Benefits
- Ensures reliability in specific deepwater challenges through fit-for-purpose design
- Provides effective deepwater flow assurance treatments safely and reliably
- Improves treatment plan design
- Optimizes production
Improved efficiency

FATHOM XT deepwater subsea-certified chemicals are rigorously pretested for specific subsea applications to:

• Confirm continuous production
• Minimize risk
• Align BASICS JIP guidelines

These certified chemicals help minimize lost production by protecting against corrosion, as well as preventing scale, hydrate, paraffin, and asphaltene deposits. Specially designed, they help enhance umbilical stability and avoid problems caused by chemical reactions with umbilical materials.

Our custom-engineered chemical solutions help improve efficiency by delivering low-viscosity and high-pressure stability, reducing downtime, and enhancing flow assurance.

Custom deepwater applications

By working with you to understand your operation’s specific needs, the BHGE chemical services team can custom design and implement a tailored package for your operation. Options can include flow assurance assessment, design improvement, production optimization, and asset integrity for profit improvement.

This collaborative evaluation helps to avoid unnecessary delays and costly repairs and includes:

• Chemical systems design review
• Prediction and modeling services for
  – Asphaltenes
  – Paraffin
  – Hydrates
  – Scale
  – Calcium naphthenate
  – Corrosion
• Laboratory and supply chain management
• Oilfield chemical training

FATHOM XT chemicals help reduce the risk of blocked umbilicals for the correct deployment of asphaltene inhibitor.

For more information about how the FATHOM XT deepwater subsea-certified chemicals can reliably improve performance in virtually any offshore production environment, contact your BHGE representative today or visit bhge.com.