More than ten million years ago heat was the catalyst, together with intense pressure, that distilled carbon-rich organic material into crude oil and natural gas. Today heat plays a vital role in unlocking, extracting, and transporting oil and natural gas.

Chromalox provides precision engineered heat and control systems for more processes throughout the world than anyone, with the broadest product line and experience unmatched in the industry. We furnish full design and engineering for virtually any electric process heat and control application. And we complete the package with customized services ranging from startup and training, to ongoing maintenance diagnostics, to emergency response—all based on complete knowledge of your components, parts, and systems.

Let Chromalox be your catalyst for putting heat exactly where you need it.

• We are the only company that can deliver both temperature management solutions and process heating solutions.
• We have experience with more industrial processes than any other company, both with end markets and applications.
• We are more vertically integrated than any other company, from component technologies up through site services, from international IP and know-how delivered organically by Chromalox than anyone.
• Chromalox has the largest team of localized technical sales engineers providing customers with individualized custom heating solutions.

VALUE-ADDED HEATING SOLUTIONS FOR OIL AND NATURAL GAS DRILLING AND PRODUCTION

ONSHORE OIL AND GAS DRILLING AND PRODUCTION

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**Enhanced Oil Recovery**

Chromalox is the only electric heating equipment provider in the industry capable of meeting all requirements for enhanced oil recovery. Our electric immersion heaters are used to heat fluids prior to flowback into the reservoir, ensuring optimal viscosity and recovery rates.

**Hydraulic Fracturing**

Circulation heaters are used to heat and circulate fluids during hydraulic fracturing operations.

**Downhole Heating**

Large tank heaters are used for freeze protection and to maintain desired temperatures for work and living quarters.

**Steam-Assisted Gravity Drainage**

Vapor transmission due to enhanced heating reduces the need for water injection.
Enhanced Oil Recovery

Tank Heating
Large tanks heaters with replaceable heater guard against fluid freezing, solid obstruction.

Kwik-Oil Tanks
‘Kwik-Oil’ tank feature replaceable design heaters to separate gas and liquid fractions.

Freeze-Proof Tanks
Water/steam tank heater spare float being pumped connections to maintain temperature in field.

Gas Transmission
Self-regulating, and controled-reflux flow heating to maintain temperature and volume pressure.

Drilling Mud Piping Distribution
Drilling mud piping distribution systems to maintain temperature and provide flood protection.

Auxiliary Electric Boiler
Controlled and maintained through the use of on and off control, and electric power back-up to operate main feeding distribution valves, keeping installation operational.

Automatic Protection System for On-Site Services
In order to keep the facility heated and controlled, the automatic protection system prevents any damages and electric shocks in the area. The system also allows a safe environment for personnel.

Steam Piping Network
Steam pipe network is used in areas where intense freeze protection is desired, such as in oil and gas industries.

Circulation Heaters, Cartridge Heaters
Circulation heaters are used in electric heat exchangers for a variety of applications, including oil and gas processing, because they are compact, efficient, and have a long life expectancy.

Concrete Divide Tracing
Circulation heaters are also used in oil and gas operations for concrete divide tracing to maintain temperature and prevent freezing.

Sandy Inlet Tracing
Sandy inlet tracing is another application for circulation heaters, used in sandy areas to prevent freeze damage.

Drilling Mud Storage Tanks
Drilling mud storage tanks are used to store and maintain temperatures for work and drilling activities.

Drilling Mud Piping Distribution
Drilling mud piping distribution systems are used to maintain temperature and provide flood protection.

Heat Trace and Controls
Provides freeze protection and coil heater line has known characteristics and provides adequate heat trace cable is used for freeze protection and counteracts heat loss from oil and gas pipelines.

Control Systems
Control systems are critical in the oil and gas industry to ensure safe and efficient operations.

Chromalox service ensures that all the control and monitoring systems are functioning properly, ensuring a seamless and efficient operation.

Steam-Assisted Gravity Drainage
Steam-assisted gravity drainage (SAGD) is a method used in the oil and gas industry to recover heavy crude oil from oil sands.

Downhole Heating
Downhole heating systems are used in oil and gas drilling operations to maintain temperatures and prevent freezing.

Circulation Heaters
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Cartridge Divide Tracing
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Chromalox provides precision-engineered heat and control systems for more processes than any other company, with the broadest product line and experience unmatched in the industry. We focus on being the first to develop new products, processes, and control systems. And we complete the package with customized services ranging from startup and training, to ongoing maintenance diagnostics, to emergency response—all based on complete knowledge of your components, parts, and systems.

Let Chromalox be your catalyst for putting heat exactly where you need it.

- We are the only company that can deliver both temperature management solutions and process heating solutions.
- We have experience with more industrial processes than any other company, both with end markets and applications.
- We are more vertically integrated than any other company, from component technologies up through site services. We are in more than 50 different industries.
- Chromalox has the largest team of localized technical sales engineers providing customers with individualized custom heating solutions.

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