EQUINOX®
Engineering Ltd

CONVENTIONAL OIL

Facilities & Pipelines

Conventional Oil Production

EQUINOX Engineering Ltd

Equinox Engineering Ltd is a world class provider of EPCM services to the global oil and gas marketplace.

Founded in 1997, Equinox has successfully executed over 7,000 significant projects in Canada and around the world for conventional oil, heavy oil and natural gas markets.

We have a worldwide presence with offices in Calgary (Canada), Brisbane (Australia) and Pune (India) with projects executed in fourteen countries and three continents.

Equinox has industry leading expertise in light medium and heavy oil production, as well as enhanced oil recovery (EOR) projects.

Our experience includes the design and installation of central processing facilities, field facilities and infrastructure.

Conventional Oil

Equinox has executed projects covering oil batteries and satellites, wellsites & gathering systems, water handling facilities, truck loading, rail loading, pipelines, terminals and pump stations.

Equinox expertise in surface facilities includes all primary, secondary (water flood, polymer flood) and tertiary (thermal) production techniques.

We provide complete EPCM services including conceptual design, Front End Engineering Design, Detailed Design, Procurement and Regulatory Services through to Start-up and Commissioning.

Oil Batteries & Satellites

Equinox has extensive experience in the design and construction of conventional oil batteries and satellites. Our project experience spans grassroots facilities, upgrades and optimizations, debottlenecking and sustaining capital projects.

Equinox has successfully executed oil treating facilities ranging from 500 bbl to 40,000 bbl in capacity. Projects include conventional light, conventional heavy and heavy oil projects, both sweet and sour with water cut ranging up to 95%.

Our expertise in oil production and battery design includes:

- Oil / water / gas / solids separation
- Emulsion treating
- Crude stabilization
- Multiphase metering
- Water Treatment
- Water Injection
- Desanding and sand disposal
- Custody transfer
- Truck loading, rail loading

Wellsites & Field Facilities

Equinox expertise includes field production facilities such as single and multi-well oil batteries, along with gathering systems.

We have designed and installed hundreds of wellsites and will provide the expertise required to specify, size and utilize the appropriate equipment including slug catchers, inlet separation, single and double metering skids, inline heaters, chemical injection pumps and storage, condensate pump skids, flare knock out drums, flare stacks and incinerators as required.

Equinox has designed and installed thousands of kilometres of gathering lines for emulsion, casing vent gas, source water, produced water, fuel gas, etc.

Enhanced Oil Recovery

In addition to typical primary production surface facility projects, Equinox has leading edge expertise in the application of Enhanced Oil Recovery (EOR) techniques for much greater oil recoveries. As utilization of horizontal multistage frac'ing increases, oil recovery rates improve and the demands for surface facilities evolve.

Our EOR project experience (both pilot and commercial) in conventional oil, as well as tight oil and shale oil applications includes water flood, polymer flood and CO_2 miscible flood.

Equinox also has industry leading experience with steam and thermal heavy oil recovery. We have executed numerous Cyclical Steam Stimulation (CSS) and Steam Assisted Gravity Drainage (SAGD) projects as well as the Thermal Assisted Gravity Drainage (TAGD) pilot facility.

Equinox delivers focused and experienced

Premium Teams

customized with the best

Technical Expertise

to align with

Client Culture

to ensure repeatable and

Successful Projects

EQUINOX
Engineering

Canada | USA | Australia | India

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