

Introduction

Canada is a country rich in energy resources. Abundant deposits of oil, natural gas, coal and uranium, plus many rivers and vast forests all contribute to making Canada a major producer of energy. Heavy oil and sour gas both make up a major part of Canada's larger hydrocarbon reserves. However, many of these deposits are found in formation and locations where production is difficult. Canada's harsh environment adds still another dimension to the requirement for the development of special advanced technology by the Canadian companies that manufacture equipment or provide services to the oil and gas industry. From a production and equipment design standpoint, the country's extreme climatic and physical conditions will not allow the industry to settle for anything less than the best.

The Canadian oil and gas equipment industry produces a wide range of machinery and equipment for oil and gas exploration and development and also performs related service activities such as geophysical evaluation, seismic studies and contract drilling. Specific areas where Canada is acknowledged as a strong equipment supplier include exploration, drilling, leasehold facilities, dehydration, secondary recovery, sour-gas gathering and treatment, heavy oil technology, and pipelines and related compression and pumping equipment. Noteworthy export strengths include exploratory and deep drilling rigs, workover rigs, thermadrive boilers, beneficiation equipment, gas turbines, compressors, heat exchangers, pump jacks, and steam generators.

Bordered by three oceans, Canada has methodically plotted a progressive, scientific exploration and development of its rich continental shelves to the point where Canadian industries can now successfully handle offshore projects from start to finish.

Canada has also taken precautions to protect the natural surroundings and preserve the land and has developed conservation guidelines, environmental protection technology and equipment that are among the most advanced in the world. Canada is ready to share this knowledge with other countries because conservation is a mutual concern.

Another area of Canadian competence is in the service field where there is expertise in a broad range of specialties such as leak detection, corrosion prevention, geodesic surveys, photogrammetric surveys, communications precise gravity surveys, mapping, seismic studies and marine research.

Canadian manufacturers produce and export a broad range of machinery and equipment for the refining and petrochemical industries. Columns, fractionators and catalytic converters; pressure vessels and tanks; reactors; heat exchangers; distillation equipment; cryogenic vessels; compressors, pumps, valves and steam generating equipment are some examples of the types of equipment marketed internationally by Canada. In this field, Canada provides specialized services and equipment for the construction, testing and inspection of pipelines. In addition, Canadian consultants and construction companies have the capability to provide complete petroleum refineries, petrochemical and chemical projects, including feasibility studies, process equipment packaged systems, design, procurement, construction, commissioning and training.

With its practical experience in meeting the most challenging demands of the Canadian oil and gas production industry, Canada has the expertise to provide the wide range of equipment and services outlined in this directory.