

MITR PHOL SUGAR CORP., LTD.

A Sweet Future for Biofuels

Since their original establishment in Ratchburi province in 1946, Mitr Phol has grown to become the largest producer of refined sugar in Asia, and the fourth largest worldwide. Since 2005, Mitr Pohl's subsidiary, Mitr Phol Bio Fuel Company Limited, produces ethanol from the left over sugarcane molasses. They produce about 380 million liters of ethanol per year, making them the largest ethanol producer in ASEAN.

As a land of agriculture, Thailand enjoys distinct competitive advantages in the biochemicals industry. Given the increasing environmental concerns worldwide, demand for biochemical products is expected to sharply increase. Technology also plays a role since the country is rapidly becoming a hub for automation with technological advances that are helping bio-based production become more efficient with improved quality. “A zero-waste model is one of our strengths. Together with our advanced production technology, Mitr Phol is the best and biggest bio-based producer with zero-waste production in Thailand,” said Mr. Pravit Prakitsri, Chief Operating Officer of Mitr Phol.

In addition to its ethanol from molasses production business, Mitr Phol Bio Fuel has a joint venture with Pha Daeng Industry Public Company Limited and Thai Oil Public Company Limited that produces ethanol using cane juice as the raw material in Mae Sod district, Tak province. They also operate seven bio-power plants utilizing bagasse and other farming byproducts to produce 463 megawatts of electricity, which they use to power all of their own internal needs, and the excess sold to numerous regional and national electrical authorities for distribution to homes, businesses and communities in and around Thailand.

From the beginning, Mitr Phol has recognized the economic importance of sugarcane.

In 1997, they established their Innovation & Research Center to drive research and technological development to help achieve sustainable sugarcane production and prep the group for additional business expansion, with a further mission to be a socially and environmentally responsible company and develop world-class technology and green industries. They have been committed to adding value through new initiatives and innovation, delivering products and services that surpassed the expectations of their stakeholders, using their cutting-edge knowledge to pave the way for a truly sustainable business.

“As the largest agricultural country in the region, there remains an abundance of opportunities in Thailand for investors.”

Pravit Prakitsri
Chief Operating Officer of Mitr Phol

Supporting Policies from the Government

To promote Thailand as a regional biofuels industry hub, the government is providing continuous support to strengthen human resources, as well as supporting research and development by creating a strong collaborative network among educational institutions, research centers, and the private sector. Its major ongoing infrastructure expansion projects will further improve manufacturing companies ability to import raw materials and export finished products.

In addition, Thailand is currently implementing their Alternative Energy Development Plan 2015 (AEDP 2015) which covers the development of renewable and alternative energy in Thailand until 2036, with an overall goal that 30 percent of Thailand's total energy consumption will come from renewable energy by 2036. Under the plan, the share of renewable and alternative energy from biofuels is targeted to increase from 7 percent of total fuel energy used in 2015 to 25 percent in 2036. The Thai government has targeted to increase ethanol consumption from 1.18 billion liters in 2015 to 4.1 billion liters by 2036, and to increase biodiesel

consumption from 1.24 billion liters in 2015 to 5.1 billion liters by 2036. Under Thailand's policy, the government promotes the use of gasohol through price incentives (tax relief at the retail level) and an excise tax reduction for cars compatible with E20 and E85 gasohol. To increase biodiesel consumption, the government continues to impose the mandatory blending of biodiesel in fossil diesel supplied across all market sectors.

Attractive BOI Incentives

The Thailand Board of Investment (BOI) offers a wide range of tax and non-tax incentives for projects that meet national development objectives.

Tax-based incentives include an exemption or reduction of import duties on machinery and raw materials, as well as corporate income tax exemptions of up to eight years. Non-tax incentives include permission to bring in expatriates, own land and take or remit foreign currency abroad.

Additional information about specific activities relating to the biofuels industries can be found by clicking [here](#) or contacting the BOI's Investment Promotion Bureau 1.