The Manderstam Group has over 75 years' experience in 26 countries

In

Process and Industrial Development in the Petrochemicals Industries

INTERNATIONAL CONCERNS GOVERNMENTS, NATIONAL AGENCIES AND INDUSTRY EMPLOY US BECAUSE:

As independent consultants we identity ourselves unreservedly with the clients interests.

Our approach is professional scientific and unbiased.

Projects are dealt with by a team of competent engineers, technologists and economists.

We are investment conscious and can project the anticipated economics of an enterprise.

We place at the client's disposal the accumulated experience of over 75 years.

The client benefits by our know-how and knowledge of local conditions in more than 26 countries.

We keep ourselves informed of the latest developments and techniques and this knowledge is used exclusively in the interest of the client.

Project Experience in Petrochemicals

The following is a representative list of the type of studies and industrial projects which we have carried out in alphabetical order of country.

Bahrain

Production, storage and shipping of ammonia and urea

Bangladesh

Study to establish the potential for the utilisation of natural gas resources

Brunei

Manufacture of fertilizers based on the utilisation of natural gas

Canada

Manufacture of urea and ammonium sulphate The conversion of natural gas to easily transportable liquid fuels

China

Production of pure terephthalic acid (PTA) Production of oxo alcohols from olefins

Cyprus National industrial opportunity survey

Ethiopia

Evaluation of refinery performance Development of the petroleum refining industry Evaluation of national distribution network

Egypt

Production of 1000 tonnes per day of nitric acid and ammonium nitrate

Ghana

Manufacture of nitrogenous fertilizers based on electrolytic production of hydrogen

Germany

Production of low-density polyethylene (LDPE)

Greece

Survey of petroleum refining, petrochemical, and fertilizer industries and their long term, planning on national scale

Market survey of plastics with special reference to PVC and of a range of sodium and chlorine based chemicals.

India

Establishment of a fertilizer complex

Indonesia

Feasibility study on the development of fertilizer and petrochemical industries from hydrocarbon gases

Study of the handling and shipping of liquid ammonia

Production of nitrogen fertilizers

Detailed feasibility study on the production of a range of petrochemicals from refinery gases in Sumatra

Design and construction of a floating fertilizer complex

Market investigation for polypropylene and propylene based fibres

Design and construction of field gas collection and compression pipeline system

Design of LPG storage and handling facilities

Financial and technical management of design. Procurement, erection and start-up of polypropylene plant for resin and fibre outlets

Design, erection and commissioning of de-ethaniser and of propane/propylene splitter

Design and construction of sulphur removal plant

Ireland

Study for the development of a petroleum refinery

Italy

Development of a petrochemical complex in Sardinia

Jamaica

Study for the development of an export oriented petroleum refinery

Lithuania

Design audit and due diligence for the expansion of ammonia production and storage facilities.

Nicaragua

Regional study for the production of petrochemicals

Nigeria

Production urea

Russia

Review of project management, delay, disruption and preferential engineering for front end engineering design (FEED) and detail engineering, construction and commissioning (EPCC) for a 4,500 tonne per annum methanol Plant in Russia

Saudi Arabia

Feasibility study on basic design of 300,000 tonne per annum polypropylene plant.

Spain

Manufacture of ammonium sulphate using "off-gas" and fuel oil

Sweden

Analysis of contaminated LPG feed to an ethylene cracker

United Kingdom

Production of polyethylene terephthalate (PET) Production of low-density polyethylene (LDPE) Production of petrochemicals from naphtha Production of toluene and xylene sodium sulphonates Production of sulphuric acid and oleum Production of aromatic hydrocarbons based on crude BTX feedstocks Production of hydrogen by steam reforming of naphtha Production of caprolactam grade cyclohexane Production of vinyl chloride and PVC Production and storage of styrene monomer Production of ammonia, Urea, ammonium nitrate, potassium nitrate, chlorine, vinyl chloride and PVC in an integrated complex Investigation into the causes of explosion and fire at a petrochemical complex Advice on process design of natural gas liquefaction plants Determination of the impact on the environment in several areas in Scotland by construction of oil production platforms Advice on pollution impact of a chemical plant Prepared market report on the global supply and consumption of petroleum additive TEL

Vietnam

Development of fertilizer production

Yugoslavia

Environmental impact of proposed refinery