

Ethanol production has never been as relevant, as important and as profitable as it is today. Limited crude oil supplies, and refining capacities, undesirable dependence on foreign import and new environmental regulations have set the stage to significantly boost production. Creating a need not only to upgrade and expand existing facilities but to build new plants.

Enter MöJJ Engineering Systems Ltd.
Your preferred production partner

MöJJ, a name synonymous with excellence and professionalism for 22 years has over 600 installations worldwide - from concept to commissioning, from raw material handling to waste treatment, from single-process units to complete, integrated turnkey plants. We have comprehensive know-how and in-house infrastructure to custom design plants and equipment to suit specific needs.

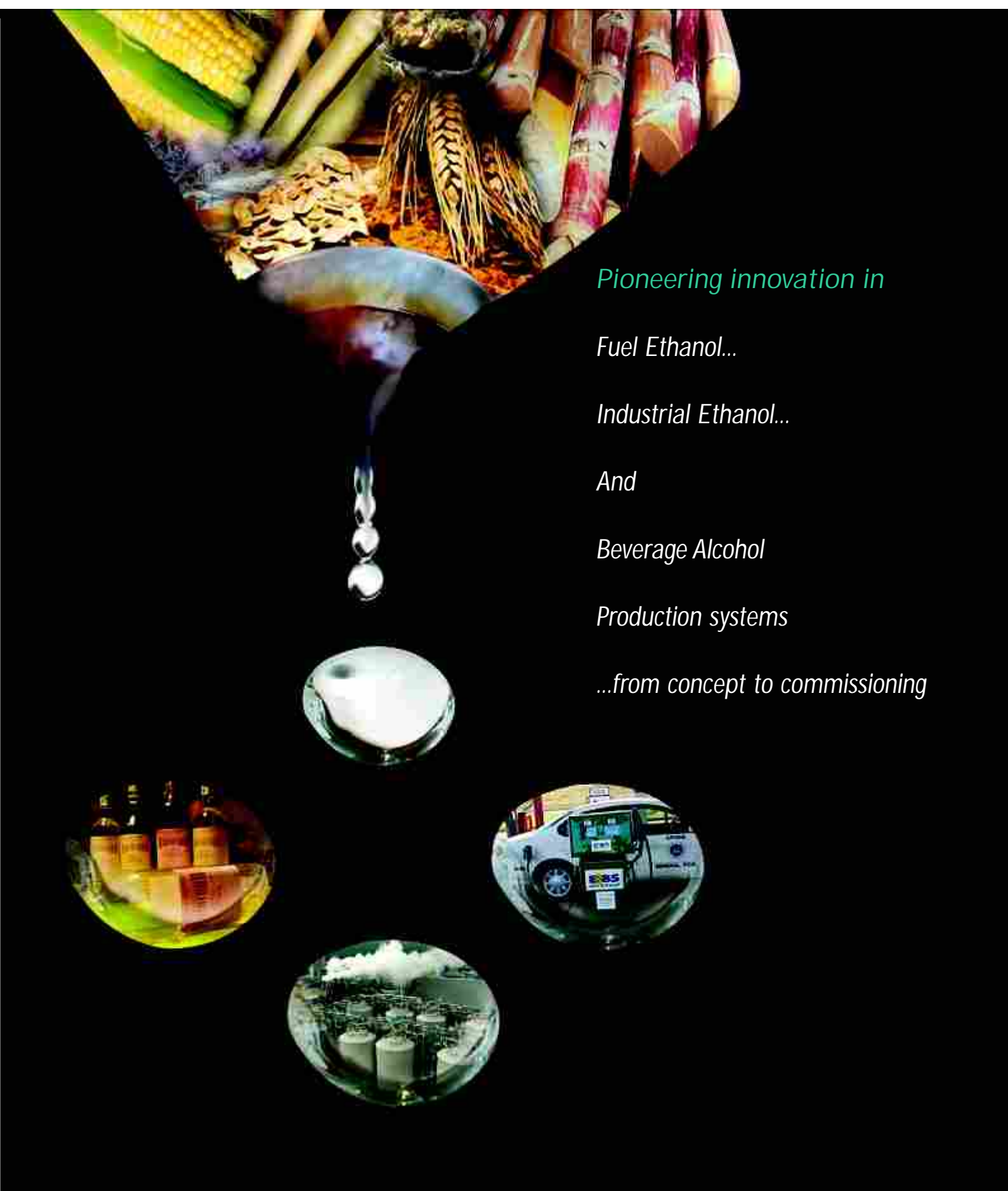
At our state-of-the-art plant we manufacture and fabricate world-class equipments while ensuring timely delivery.

MöJJ Engineering Systems Ltd. brings a unique customer focus to each assignment and each plant.

MöJJ has enviable experience in supplying Alcohol Plants on feedstock like molasses, beet juice, sugar cane juice and grains (sorghum, wheat, maize) to produce industrial grade, potable grade & fuel grade alcohol on turnkey basis. We also design and supply standalone Fuel Ethanol Plants.

MöJJ Engineering Systems Ltd. has won several prestigious awards, including Parkhe Award from the Marhatta Chamber of Commerce, Industry and Agriculture (MCCIA) for innovative development.

Safety, reliability and profitability are the key drivers for each project we execute, and for each customer we partner!



Pioneering innovation in

Fuel Ethanol...

Industrial Ethanol...

And

Beverage Alcohol

Production systems

...from concept to commissioning

OUR BUSINESS DIVISIONS

Bio - Technology

Bio ethanol plants

Industrial alcohol plants

Potable alcohol plants

Spent wash concentration and drying system

Zero discharge plant for molasses, grain & juice based distilleries

Dryers

Spray

Fluidized Bed

Flash

Rotary

Conduction

Evaporators

Falling Film

Forced Circulation

Scraped Surface

Wiped Film



**MÖJJ ENGINEERING
SYSTEMS LTD.**

81-B/15, MIDC, Bhosari,
Pune - 411 026. INDIA

Tel. : + 91 - 20 - 27120360 / 27120835

Fax : + 91 - 20 - 27127198

Email : mojjpune@vsnl.net

visit us at: www.mojjpune.com



**MÖJJ ENGINEERING
SYSTEMS LTD.**

MöJJ Fermentation System

Feed Stocks

MöJJ is a true blue industry leader constantly seeking innovation and pioneering new developments. We were among the first to have expertise and capability to deliver systems compatible with the complete gamut of raw materials:

- Cane molasses, cane juice, cane syrup
- Beet molasses, beet juice
- Grains (wheat, rice, sorghum, corn, bajra)
- Cereals, tubers (cassava / tapioca)



Highlights of our Fermentation System

- Maximum yield
- Highest alcohol content in fermented wash
- Minimum side products of fermentation
- Over 200 genetically marked stains in our yeast bank
- Special designs for better contact between yeast and fermented sugar
- Pre-clarification / Post - clarification of cane molasses.
- Multi feed fermentation module
- Yeast recycling to increase productivity



MöJJ Distillation System

At MöJJ we are customer driven to the core. Our distillation plants are customised for quality, consumption and operational ease. We have state of the art specially designed equipments enabling efficient separation of impurities with reduced scaling and down time. MöJJ, for the first time introduced the concept integrated evaporator for substantial reduction of spent wash volume.



Highlights of Distillation System

- Atmospheric, multi pressure distillation system available under one roof
- Better quality of all grades of alcohol due to better removal of impurities
- Multi-pressure distillation operates under vacuum and at low operating temperatures which avoids hard scale formation
- Improved steam economy
- Reduced impure spirit production
- Less impurities hence better organoleptics
- Reduction in effluent quantity by integrating by the evaporation system
- Optimum utility consumption



MöJJ Fuel Ethanol Plants

MöJJ is driven by a passion to excel, a commitment to redefine industry benchmarks. Our fuel ethanol plants are based on molecular sieve technology

Highlights of our Molecular Sieve Dehydration System

- Three bottle pressure swing adsorption enables smoother transition and longer sieve life
- Lowest utility consumption per liter of fuel alcohol
- Maximum alcohol yield (typical loss less than 0.03%)
- Moisture content up to 0.1%V/V
- Component design and selection to guarantee extensive service life
- Fully automated with PLC/DCS based system
- Customised design and plant layouts to suit all customers requirements.

