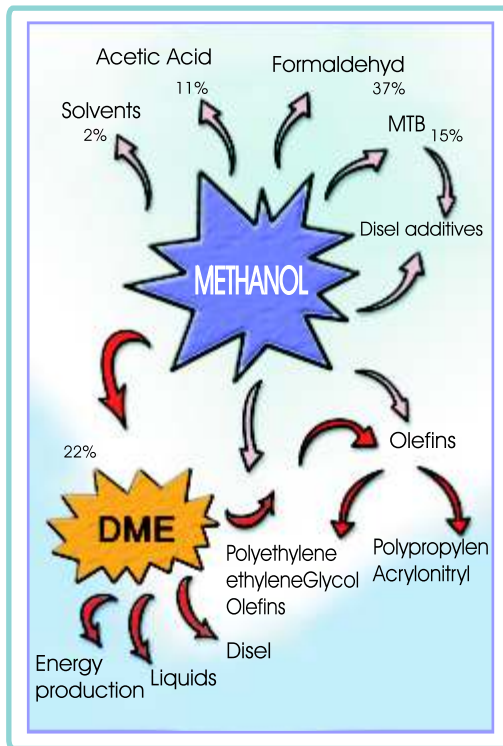


### Methanol outlets . Current and future



According to time scheduling the duration of erection will be 3 years after opening L/C. Investment of project is done by KAVEH METHANOL Co. as a private sector in association with banks consortium consisting of 3 Iranian banks .Tejarat , Mellat & Sepah. Fixed found of project is about 320.000.000 USD. for main process equipment and utilities . Additionally the project requires about 110,000,000 USD for buildings , administration, land preparation , feed gas , installation and erection . Total investment of Methanol Kaveh Co. will be 430.000.000 USD.

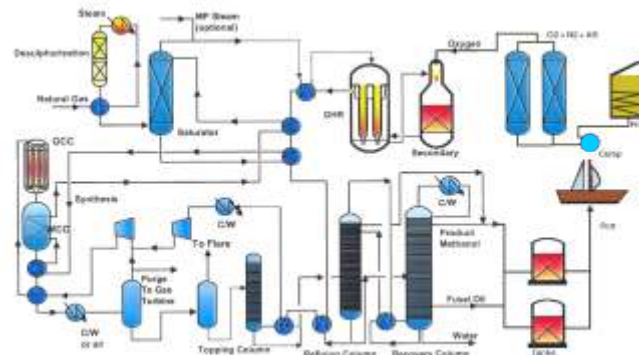
### Consumables

Feed	225 000	Nm <sup>3</sup> /h
Fuel - Auxiliary	10 000	Nm <sup>3</sup> /h
Fuel- Utility	100 000	Nm <sup>3</sup> /h
Oxygen	120 000	Nm <sup>3</sup> /h
Nitrogen	1 600	Nm <sup>3</sup> /h
Make up Sea Water	10 000	Nm <sup>3</sup> /h
Desalinated Water	500	Nm <sup>3</sup> /h
Water	1 500	Nm <sup>3</sup> /h
Instrument air	4390	Nm <sup>3</sup> /h
Steam for Start up	150	Ton/h
Steam generation	1 054	Ton/h
Electrical Power	14	MW/h

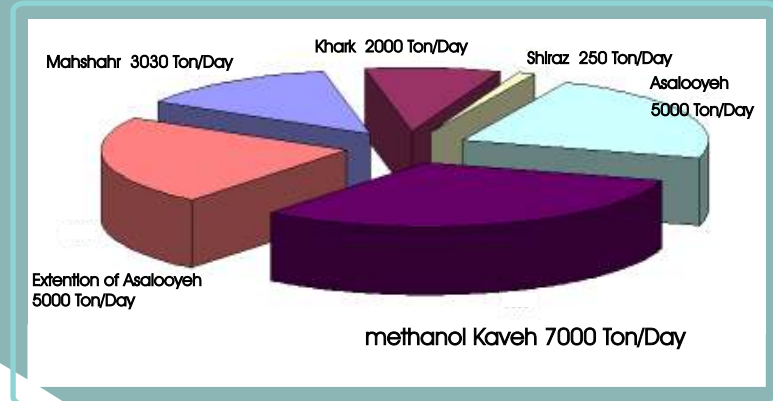
### Methanol Kaveh Products

Methanol Grade AA	7000	Ton/Day
Liquid Oxygen	200	Ton/Day
Liquid Nitrogen	200	Ton/Day
Liquid Argon	73	Ton/Day
Electric Generation	45	MW/h

### Process scheme



### Methanol supply forecasting in Iran till year 2008



Methanol Kaveh would have 32 % of total Iranian methanol products with 7000 Ton/Day production

### Project highlights

Local equipment, machinery weight	14 700	Ton
Foreign equipment , machinery weight	26 300	Ton
Concrete	147 000	m <sup>3</sup>
Excavation	240 000	m <sup>3</sup>
Back filling	840 000	m <sup>3</sup>
Highest Structure	83	m
Cabling	392 000	m
Piping	17 500	m
Constructional man-hour	15 552 000	



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Cooling Tower 200 Ton refrigeration



Electrical power



Air separation plant 120 000 Nm<sup>3</sup>/h



Site location



**METHANOL KAVEH CO.** the world largest methanol plant will be constructed next to Persian Gulf, Boosheher province. DAYYER/ IRAN  
Designed capacity is 7000 T/D methanol with AA grade.

Methanol is a clear and colorless liquid, used in manufacturing a wide variety of chemicals such as : Formaldehyde and it's corresponding resins, DME , MTBE , Acetic Acid, Solvents ,Olefins ,etc. It is also considered as a source of clean energy for turbines ,fuel cells and automotive fuel , as an environmental friendly , higher heat value and efficient fuel .

Methanol Casale , a Switzer company , along with PIDEK , a well known Iranian company in field of gas , oil and petrochemicals would supply know how , basic engineering , detail engineering and procurement services for inside battery limit equipment and machinery .

Other required utilities for this project from basic engineering to construction and installation will be carried out by METHANOL KAVEH engineering department .

Also Due to export of final product, METHANOL KAVEH Co. is to establish a dedicated offshore structure .

**KAVEH METHANOL**



**KAVEH**  
GLASS INDUSTRY GROUP

KAVEH GLASS INDUSTRY GROUP



**METHANOL KAVEH CO.**

THE WORLD LARGEST METHANOL PLANT

7000 Ton/DAY



In association with Tejarat Bank

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