

Methanol in Iran’s Petrochemical Industry

Methanol is one of the most essential basic chemicals in the petrochemical industry, with diverse and critical applications across various sectors. It is widely used in the production of formaldehyde, acetic acid, dimethyl terephthalate, and in Methanol-to-Olefins (MTO) units. In Iran, thanks to abundant natural gas resources, the synthesis gas required for methanol production is primarily supplied using natural gas feedstock.

Development of Iran’s Methanol Industry

Iran’s methanol industry has a relatively short but rapidly expanding history. The first industrial methanol production unit was established at Shiraz Petrochemical Complex in 1990, following the Islamic Revolution. Before this, Iran had no domestic methanol production capacity, and demand was met through imports. The Shiraz unit launched operations with an initial capacity of 84,000 tons per year, marking the foundation of the country’s methanol industry.

In the following decades, leveraging cheap natural gas and petrochemical expansion policies, numerous methanol production units were established in special economic zones, such as Assaluyeh and Bandar Mahshahr. This strategic expansion significantly increased production capacity, transforming Iran into a global methanol production hub.

Growth and Current Status

1990: Initial production capacity of 84,000 tons per year.

2020: Nominal production capacity reached 12 million tons.

2025: Production capacity exceeded 16 million tons, with further expansion plans underway.



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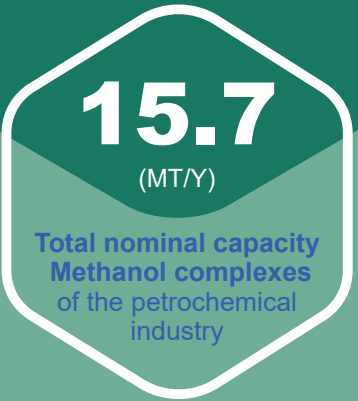
**Methanol
Complexes &
Projects**
in Iran’s Petrochemical
Industry

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Abbreviations

TAPPICO: Tamin Petroleum & Petrochemical Investment Company
POGDC: Parsian Oil and Gas Development Company
SHASTAN: Shastan Investment Trading Company



Zagros
Name of Holding: Other
Product: Methanol
Nominal Capacity (KT/Y): 3,300

Marjan
Name of Holding: SHASTAN
Product: Methanol
Nominal Capacity (KT/Y): 1,650

Bushehr
Name of Holding: SHASTAN
Product: Methanol
Nominal Capacity (KT/Y): 1,650

Middle East Kimiya-e-Pars
Name of Holding: TAPPICO
Product: Methanol
Nominal Capacity (KT/Y): 1,650

Sabalan Petrochemical
Name of Holding: TAPPICO
Product: Methanol
Nominal Capacity (KT/Y): 1,650

Arian Methanol
Name of Holding: Bakhtar Group Company
Product: Methanol
Nominal Capacity (KT/Y): 1,650

Methanol Complexes
(End of 2024)



Fanavaran
Name of Holding: TAPPICO
Product: Methanol
Nominal Capacity (KT/Y): 1,000



Khark-Khark
Name of Holding: Ahdaf Finance Company
Product: Methanol
Nominal Capacity (KT/Y): 660

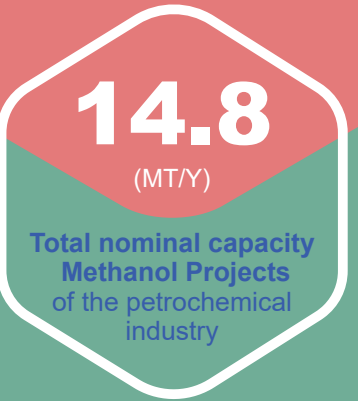
Kaveh Methanol- Dayyer
Name of Holding: Other
Product: Methanol
Nominal Capacity (KT/Y): 2,310

Shiraz - Shiraz
Name of Holding: POGDC
Product: Methanol
Nominal Capacity (KT/Y): 84

Arta Energy - Ardabil
Name of Holding: Other
Product: Methanol
Nominal Capacity (KT/Y): 132

Abbreviations

PGPIC: Persian Gulf Petrochemical Industries Company
SHASTAN: Shastan Investment Trading Company
NIPC: National Iranian Petrochemical Company
PEDC: Pasargad Energy Development Company



The ongoing Methanol Projects
(Seventh Development Plan)



Persian Gulf Apadana Methanol
Product: Methanol
Nominal Capacity (KT/Y): 1,650

Tose'e Sanat Lavan Methanol and Ammonia
Product: Methanol
Nominal Capacity (KT/Y): 1,000

Dena Methanol
Product: Methanol
Nominal Capacity (KT/Y): 1,650



Eslam Abad Gharb (GTPP) - Kermanshah
Product: Methanol
Nominal Capacity (KT/Y): 660

Siraf Energy Methanol- Dayyer
Product: Methanol
Nominal Capacity (KT/Y): 1,650



Pasargad Energy Paydar - GTO
Product: Methanol
Nominal Capacity (KT/Y): 1,650



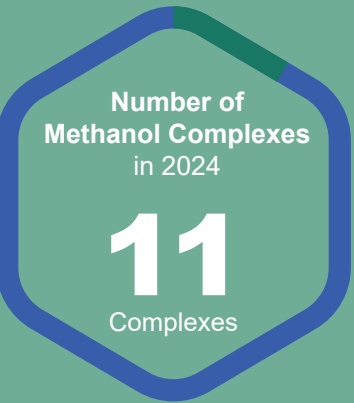
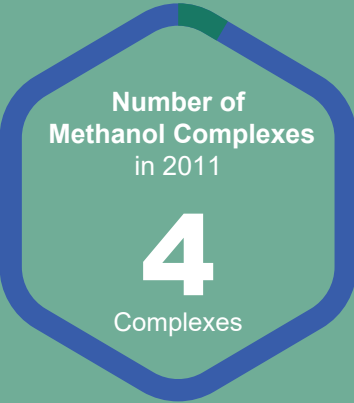
Kimia Sanat Mabna Co. GTPO (Train 1)
Product: Methanol
Nominal Capacity (KT/Y): 1,650

Kimia Sanat Mabna Co. GTPO (Train 2)
Product: Methanol
Nominal Capacity (KT/Y): 1,650

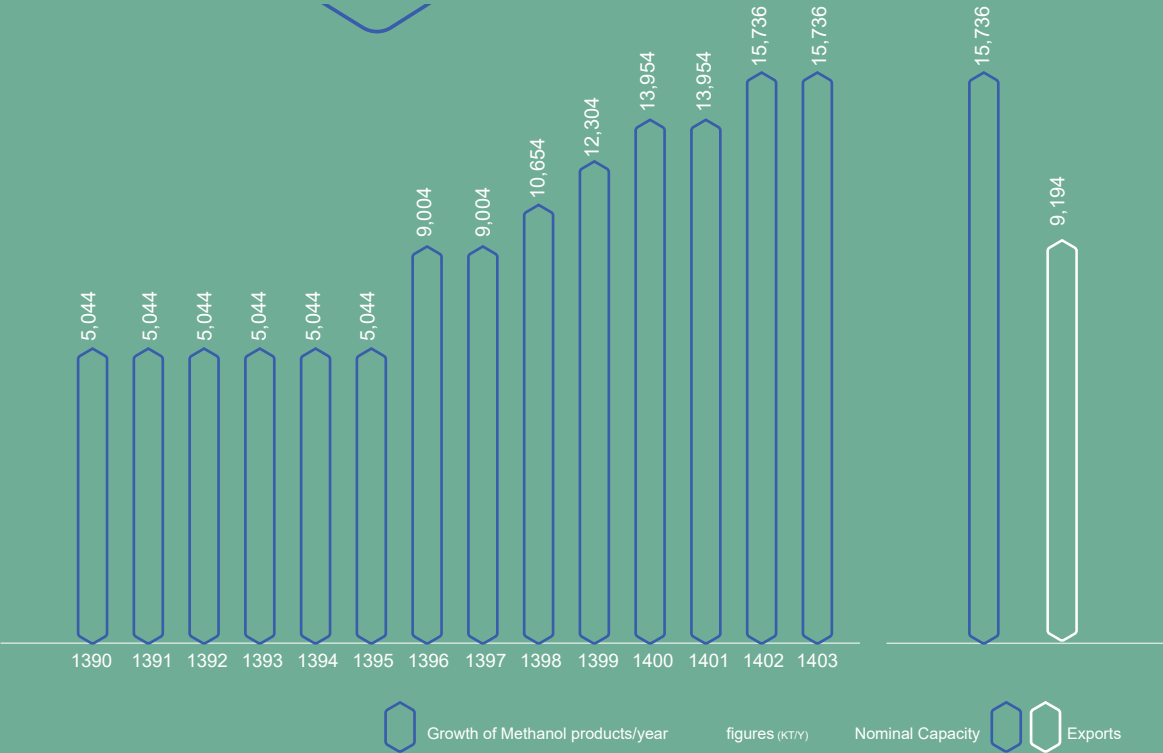
Badr Shargh - GTO
Product: Methanol
Nominal Capacity (KT/Y): 1,650

Sina Chemical Industries Development Co. GTPO
Product: Methanol
Nominal Capacity (KT/Y): 1,650

Methanol
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Growth of Methanol
Products in Iran's
Petrochemical Industry



Nominal And Export
Capacity of
Methanol in the
Petrochemical Industry
(End Of 2028)