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Opportunity Through Synergy In Kuwait Refineries And Petrochemical Plants

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شركة البترول الوطنية الكويتية

إحدى شركات مؤسسة البترول الكويتية
A Subsidiary of Kuwait Petroleum Corporation

KNPC



Agenda

- ▶ OBJECTIVE
- ▶ INTRODUCTION – KNPC / KPPC
- ▶ INTEGRATION
- ▶ KPPC PRODUCTS
- ▶ SHARED SERVICES
- ▶ CONCLUSION

OBJECTIVE

- ▶ ENHANCE KUWAITI HYDROCARBON VALUE BY DIVERSIFICATION OF PRODUCT SLATE
- ▶ MAXIMIZE RESOURCE UTILIZATION THROUGH INTEGRATION OF ASSETS AND SERVICES BETWEEN EQUATE & KPPC.
- ▶ CREATE DIRECT/INDIRECT JOB OPPORTUNITIES FOR KUWAITIES AND PROMOTE SUPPORT INDUSTRIES.

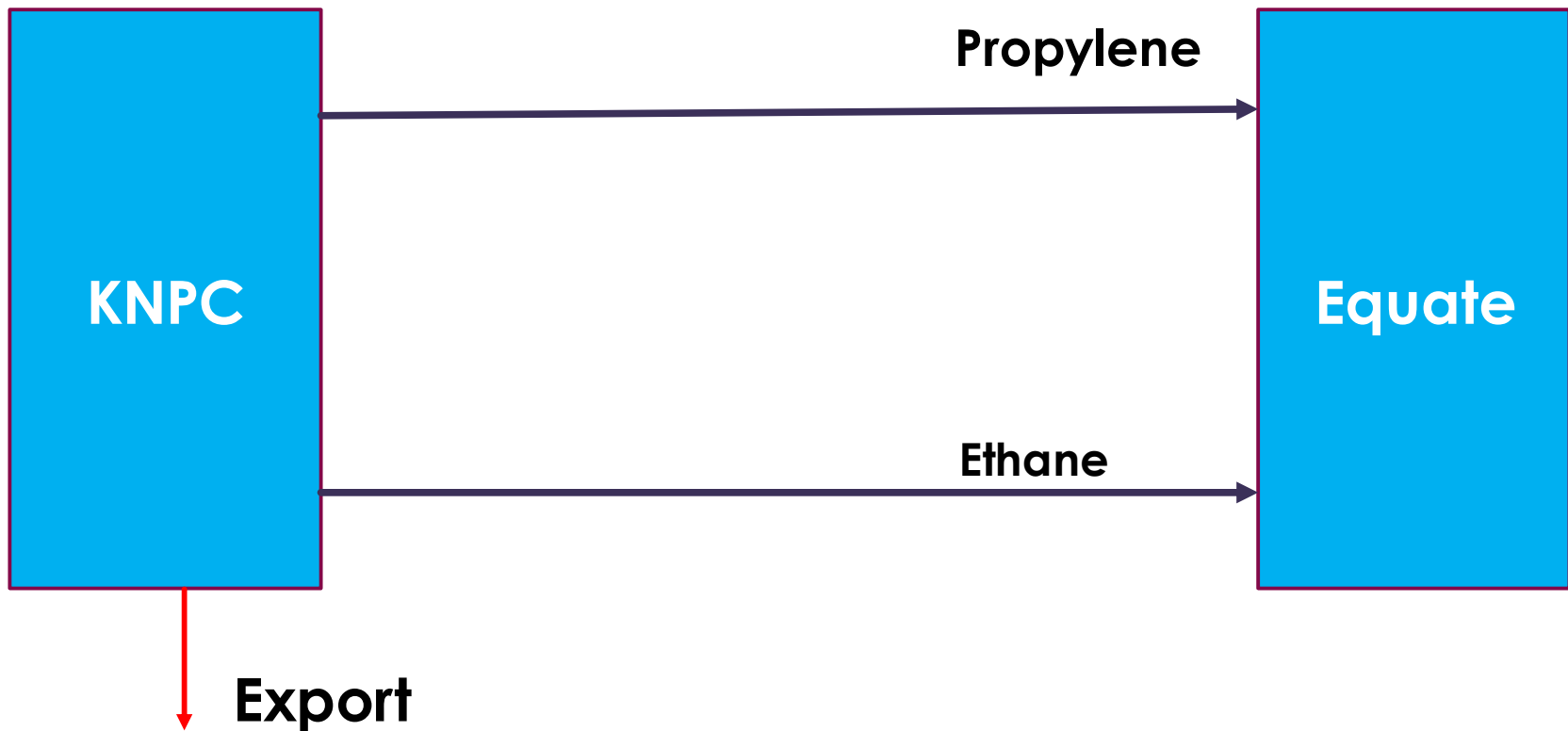
INTRODUCTION - KNPC

- ▶ Kuwait National Petroleum Company (KNPC) is a Kuwait Petroleum Corporation (KPC) subsidiaries.
- ▶ Established in the year 1960.
- ▶ Two refineries: capacity 727,000 BPD

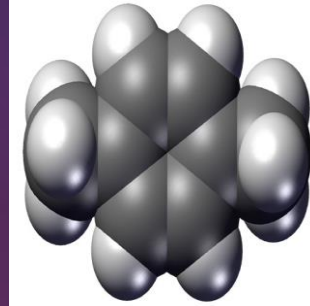
INTRODUCTION - EQUATE

- ▶ Equate is a joint venture, established in 1995, between:
 - Petrochemical Industries Company (PIC)
 - Boubyan Petrochemical Company (BPC)
 - Qurain Petrochemical Industries Company (QPIC)
 - Dow Chemical Company (Dow), Union Carbide at the time

CONVENTIONAL SET-UP

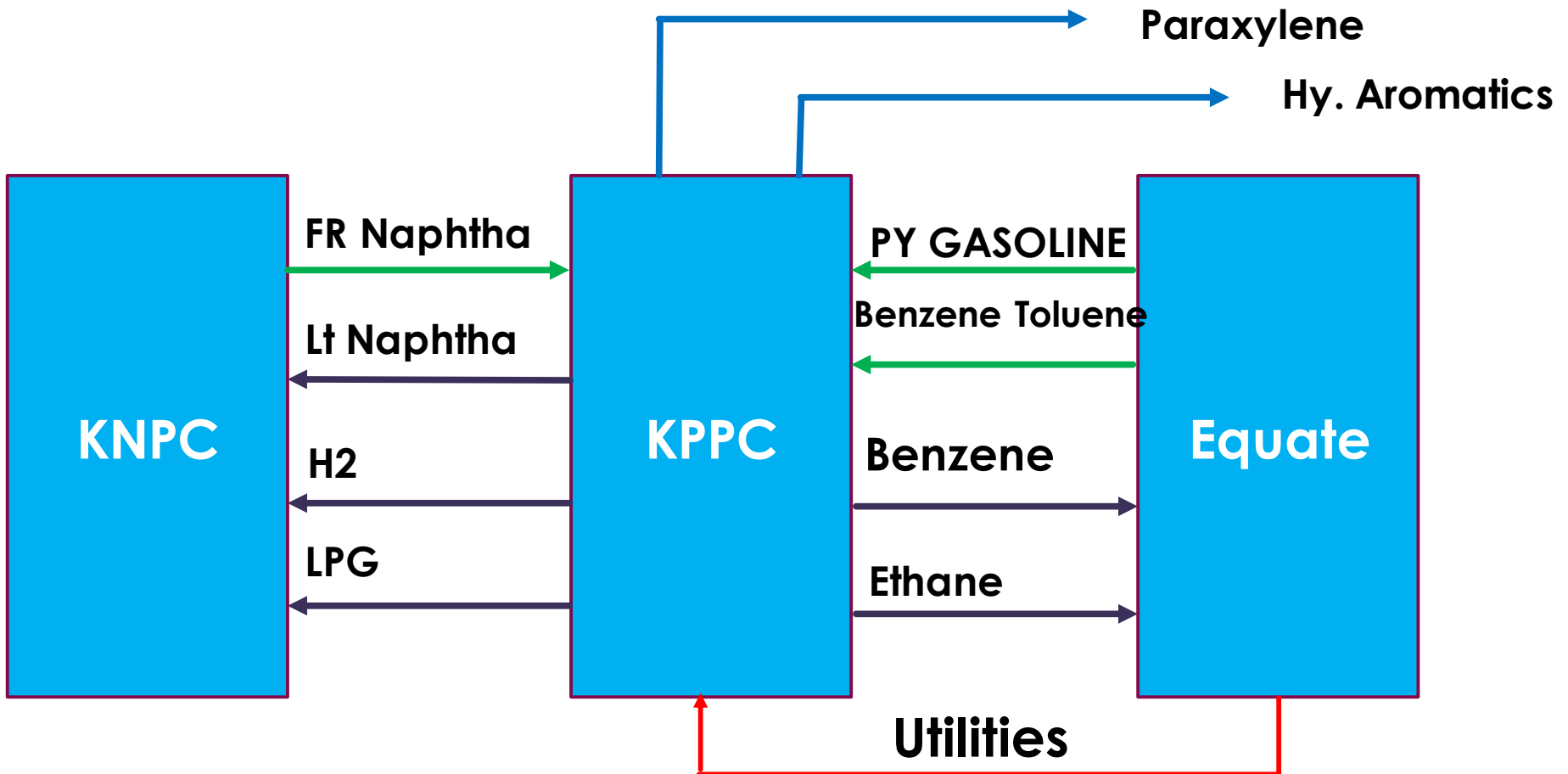


KPPC



- ▶ Kuwait Para-Xylene Production Company (KPPC) was established as a joint venture, plant commissioned in 2009, between:
 - Petrochemical Industries Company (PIC)
 - Kuwait National Petroleum Company (KNPC)
 - Qurain Petrochemical Industries Company (QPIC)
- ▶ KPPC processes 2,515 KTPA of Petrochemical Naphtha from KNPC.

INTEGRATION & VALUE ADDED



KPPC PRODUCTS

Products	KTPA
Paraxylene	780
Hy. Aromatics	77
Light Naphtha	822
Hydrogen	49
LPG	190
Benzene	372
Ethane to Olefins 2	89

SHARED SERVICES - KNPC

Equate is sharing following services and facilities with KPPC

- ▶ Operation and maintenance is done by Equate staff
- ▶ IT, HR, Finance, security,
- ▶ Control room, fire protection system, marine, laboratory, main substation, workshop, warehouse,

CONCLUSION

KPPC operating module is very successful and efficient module where integration between refineries and petrochemical plants as well as sharing services and facilities have led to adding value at reduced operating cost.



Thank You