



KPI, Houston has been providing an **independent Project Consulting & Advisory Services for Business Solutions** since 2006. KPI's core strengths are in various process technologies in the Hydrocarbon sector, including the light Olefins, derivative Petrochemicals as well as Ammonia, Methanol & derivatives.

KPI has **completed over 150 projects globally for more than 60 clients**, including roles as **"Owner's Engineers"** for two large projects in Middle East. As **"Owner's**

**Engineers"**, KPI team spearheaded the **development and implementation of a large Propylene derivatives complex** for a Saudi location to produce **Acrylic Acid, Oxo-Alcohols/Syngas and Acrylic Esters**. It is currently in operation. KPI also developed a new **Ammonia Project** utilizing off-gases from existing Methanol/CO plants for Saudi location. Lately, KPI handled various studies and projects related **Green and Blue Ammonia** including O<sub>2</sub> enrichment and CCS- mostly in the US.

KPI has **completed over 100 project feasibilities, technology evaluations, due diligence & risk assessments** & strategic advisory for new facilities. KPI goes extra miles to investigate and generate creative options to provide real value as cost effective, practical and innovative solutions, often improving Capacity and Energy Efficiency for existing Ammonia, Methanol, Ethylene and PDH plants.

***TECHNOLOGY- ENGINEERING-PROJECT MANAGEMENT***  
***EXPERIENCE - KNOWLEDGE - EXPERTISE***

***Trusted Partner, "Owner's Engineers"***

- ***Capital Project Development***
- ***Asset Performance Improvements***
- ***Facilitating Project Resourcing & Partnering***
- ***Strategic Advisory & Risk Assessment-Mitigation***
- ***Customized Plant Training***



**OWNER'S ENGINEERS**  
**PROJECT DEVELOPMENT**  
**EXPERT CONSULTING & ADVISORY**  
**GREEN & BLUE**  
**AMMONIA, METHANOL & LIGHT OLEFINS**

**OWNER'S ENGINEERS**

**Independent Technology and Engineering Consultants**  
**Technical, Commercial and Financial Due Diligence**  
**Asset Performance Analysis and Improvements**  
**Optimization of Resource Monetization**

***Supplement Your Scarce Key Resources***  
***Global Reach - Global Value - Global Success***

**PROJECT CONSULTING FOR CLIMATE CLEAN UP**



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## **SYNGAS & DERIVATIVES**

**Ammonia Plants**  
**Methanol Plants**  
**Hydrogen Plants**  
**Oxo-Syngas**  
**Syngas to Chemicals**  
**Green & Blue Initiatives**

## **PETROCHEMICALS**

**Ethylene Plants**  
**PDH Units**  
**Propylene Derivatives**  
**Acrylic Acid**  
**Oxo-Alcohols**  
**Methanol Derivatives**



### ***FACILITIES SERVICES AS OWNER'S ENGINEERS***

<b>INITIAL PROJECT DEFINITION</b>	<b>BASIC DESIGN &amp; ENGINEERING REVIEWS</b>
<b>PROJECT IDENTIFICATION &amp; TECHNO-ECONOMIC PRE-FEASIBILITY</b>	<b>INDEPENDENT PROJECT CAPITAL COST ESTIMATES</b>
<b>DUE DILIGENCE, RISK ASSESSMENT &amp; MITIGATION</b>	<b>REVIEW OF CRITICAL EQUIPMENT</b>
<b>LENDER'S ENGINEERS</b>	<b>ASSET PERFORMANCE ANALYSIS &amp; IMPROVEMENTS</b>
<b>TECHNOLOGY &amp; PROJECT RISKS ASSESSMENT &amp; MITIGATION</b>	<b>PLANT START-UP ADVISORY</b>
<b>SPECIALTY CHEMICALS LICENSE SOURCING</b>	<b>PLANT PERFORMANCE GUARANTEE TEST OVERSIGHT</b>
<b>LICENSING &amp; BEP AGREEMENTS REVIEWS SCOPING DEFINITION &amp; RFP FOR EPC</b>	<b>CUSTOMIZED PLANT TRAINING</b>
<b>FACILITATING PROJECT RESOURCING &amp; PARTNERING</b>	<b>INTEGRATED PROJECT MANAGEMENT SERVICES</b>