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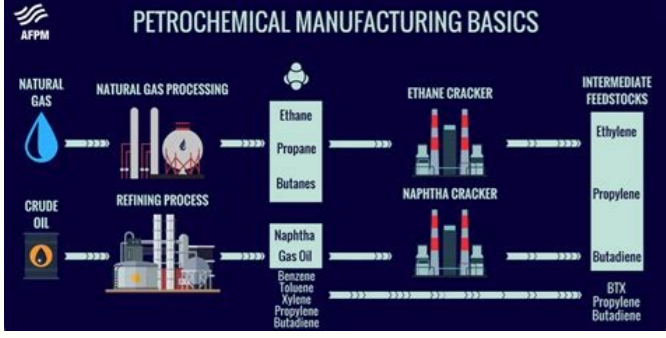
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Petrochemical process technology pdf

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Learn more Innovative propane dehydrogenation technology based on our K-COT™ technology, delivering high propylene selectivity and conversion through a fluidized-bed design. Delivers reliable operation, high on-stream factors, and significant CAPEX and OPEX advantages over fixed or moving-bed reactors. Offers greater energy efficiency and without requiring a platinum- or chromium-based catalyst. Learn more Adjunct or alternative technology to steam cracking, converting low-value olefinic, paraffinic, or mixed streams into high-value propylene, ethylene and aromatics through the combination of the KBR Orthoflow™ FCC reactor system and a proprietary catalyst. Feed flexibility, high yields, low maintenance and greater energy efficiency. Olefins K-COT K-COT-Naptha K-COT-Recycle Highly efficient dry oxidation and advanced cleavage systems that offer high selectivity and unmatched safety performance. Maximizes plant reliability and operability by providing a flexible fractionation train to produce extremely high-quality phenol, acetone and heavy ends that can be processed and upgraded for other products.

Learn more A simple, reliable and economical technology application for BPA production, licensed through Mitsubishi Chemical Corporation. Uses a proprietary, high-conversion and selectivity catalyst that improves yields and reduces byproducts while limiting energy consumption. Produces polycarbonate from Bisphenol-A using synthesis and compounding processes that produce a wide range of product grades, delivering high-quality products with minimal capital investment. Best-in-class advanced transalkylation catalyst technology, licensed through SK Innovation Co., Ltd.



Converts low-value heavy aromatics to benzene and mixed xylenes, with higher yields, lower ring loss and enhanced purity compared to other transalkylation processes. Learn more An extractive distillation process for the recovery of aromatics that does not require any proprietary solvents or additives, and offers lower CAPEX and OPEX, smaller plot space, reduced energy consumption and wider feedstock range compared to conventional liquid-liquid extraction processes. Can be integrated into refining and petrochemical operations. Our methanol carbonylation technology for the production of acetic acid — the only technology of its kind licensed to independent producers — uses less water, requires less energy, and eliminates the risk of CO leakage, with capacity design rates of 10,000 to 500,000 MTA. Learn more An energy-efficient and cost-effective suspension polymerization process for producing high-quality polyvinyl chloride products of various grades (K-values ranging from 51 to 97) from vinyl chloride monomer.

[allison_transmission_service_manual.pdf](#) Learn more The ethylene oxidative acetoxylation process, owned and operated by Showa Denko (SDK) and offered by SDK and KBR for license, produces high-quality vinyl acetate monomer from ethylene and acetic acid using SDK's proprietary high performance catalyst. The main by-products are water, ethyl acetate, acetaldehyde, and CO₂. Learn more KBR offers Hydro-PRT™, an innovative and advanced plastics recycling technology that recycles end-of-life plastic, including rigid plastics and thin plastic packaging such as plastic shopping bags and food wrap, which would otherwise be combusted, sent to landfills, or leaked into the environment. This process chemically recycles waste plastic through a process known as hydrothermal upgrading that converts mixed plastics into traditional oil (liquids) and gas, that can be further refined and upgraded to produce virgin polymers and chemicals - completing the waste plastic circulatory loop. KBR offers this sustainability-focused technology in alliance with Mura Technology Ltd. For more information, please visit www.kbr.com/Hydro-PRT The people of KBR change the world every day, providing the intelligence to solve any challenge. If you're up to the task, we want you on our team. [melano_cc_essence_instructions](#)

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