



Reduced solid waste / more stable operations with increased protection.

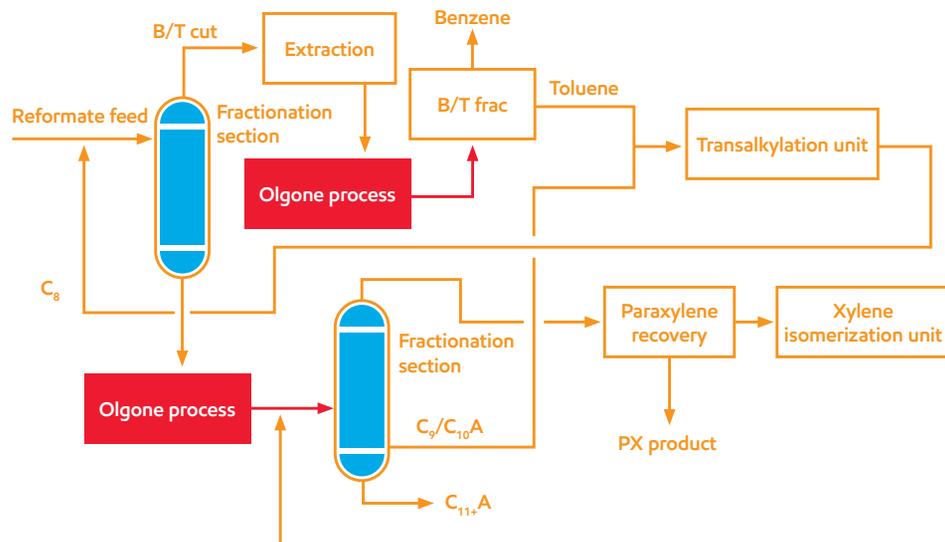
Extend your cycles with OlgoneSM process technology.

Energy lives here™

A high-performance, highly-stable catalyst is at the heart of the OlgoneSM process. This technology is designed to extend cycles of existing aromatic stream treaters and to reduce or eliminate the amount of solid waste generated. The outstanding performance of the Olgone process can lead to significant operating cost savings as well as debottlenecking opportunities. The Olgone process is also licensed by Axens as part of the ParamaX[®] technology suite for grassroots aromatics complexes.

Olgone flowscheme

The following simplified flowscheme shows locations where the Olgone process can be deployed in a typical fractionation and recovery section of an aromatics complex.



Key benefits

-  Extended cycles (up to 6 times clay)
-  Simple "drop-in" replacement for clay
-  Reduced solid waste
-  Fewer costly change-outs
-  More stable operations
-  Increased protection for downstream units
-  Lower investment costs

Olgone™ process: longer operating cycles, reduced solid waste, capital savings

Long Operating Cycles and Reduced Solid Waste

Unlike traditional clay treating processes, the Olgone process uses a proprietary catalyst that achieves cycles up to 6 times that of clay. The catalyst is regenerable and can be reused multiple times, meaning solid waste generation is significantly reduced. When the Olgone catalyst is used by itself, all solid waste can be eliminated. Spent clay typically represents 25 – 60% of the total solid waste generated in a modern aromatics complex. Our unparalleled Olgone process has reduced clay waste in one of ExxonMobil's facilities by 85% per year.

Capital Savings: Retrofit or Grassroots

The long cycles of treaters operating the Olgone process can translate into substantial cost savings. Fewer change-outs result in significantly lower clay costs. In some cases the longer cycle length provided by the Olgone process can allow a facility limited by

clay treatment capacity to avoid installing additional clay treaters. In grassroots applications, treater vessels can be smaller, thereby reducing capital costs.

Other benefits include:

- Better downstream protection – longer cycles reduce the risk of exceeding downstream unit Bromine Index (BI) specifications and the potential for resultant damage to sensitive catalysts and molecular sieves.
- Reduced change-out frequency – reduced labor-intensive and costly clay treater change-outs and a more stable and trouble-free operation.

Retrofit into existing reactors

ExxonMobil's state-of-the-art aromatic treatment technology, the Olgone process, is a simple "drop-in" replacement for clay in existing treaters. Operation is virtually identical to that of the clay it replaces. The only significant difference is the exceptional performance of the Olgone process.

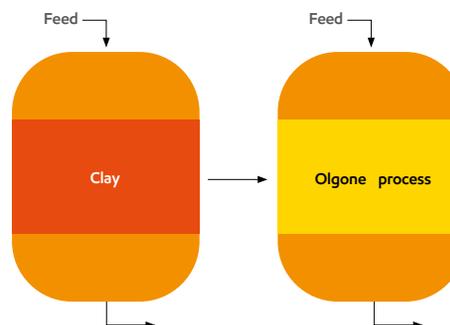
Support from initial consultation throughout the life of the operation

- Initial discussions to confirm client objectives and tailor the solution
- Detailed Yield Estimate
- Feasibility Study
- Commercial Proposal
- Process Design Package
- Technology transfer, training, catalyst loading and start-up support
- Technology improvement
- Performance monitoring and technical assistance throughout the life of the catalyst

About us

ExxonMobil helps refiners and petrochemical manufacturers increase capacity, lower costs, improve margins, reduce emissions and operate safe, reliable and efficient facilities. Along with a commitment to helping to implement best practices and to achieve better results, we provide cutting-edge proprietary catalysts and license advantaged process technologies for refining, gas and chemical needs.

Simple transition to Olgone



Unlike traditional clay treating processes, Olgone uses a proprietary catalyst that achieves up to 6x more cycles than clay.

Collaborate with us today.
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