Case Study

INCREASING THROUGHPUT BY OPTIMIZING SEPARATION CONTROL

Refineries currently utilizing Agar systems increase throughput up to 20% and significantly reduce the amount of process upsets - resulting in up to an 80% reduction in hydrocarbon under carry to the waste water treatment plant as witnessed by the Environmental Protection Agency (EPA). Agar systems provide an unmatched ability to optimize difficult separation processes by utilizing concentration measurement and control. Often, the return on investment is realized in less than three months.

Agar systems have been used for over 25 years by all major oil companies and many independent refiners with installation in over 250 desalters and over 5000 process vessels worldwide. Because of the system’s ability to detect small amounts of oil in water, typically Agar systems are used to control the oil under carry for environmental projects and often are used to control the water over carry in the oil phase.

Agar systems are unaffected by coatings and can be inserted and extracted while the process is under pressure and in service.

APPLICATIONS INCLUDE:
- Desalters
- Storage Tank Dewatering
- API Separators
- Slop Oil
- Amine Units
- Sour Water Tanks
- Alkylation
- Caustic Wash
- Defoaming
- Demulsification
- Coker Units

UPSTREAM APPLICATIONS

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