

EWO SOLUTIONS LLC

CELEBRATING 5 YEARS PROVIDING 'EFFICIENT ENERGY SOLUTIONS'©



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Corporate Update

By Douglas W. Swain

First of all, I want to thank all of our customers, employees, vendors, partners and my family which have allowed EWOS to celebrate 5 years of positive growth. EWOS is a company with a solid base of dedicated team members who support our core business segments. This team of professionals EWOS employs supports the diverse products currently available from EWOS.

EWOS is committed to the continued growth in the business segments we service with long term investments in research, product development and customer support. Citing increased market uncertainty due to the COVID-19 pandemic and lower oil prices, EWOS will continue to respond to our client's needs and evaluate the best solutions for the use of our products to help reduce our client's overall cost to produce their products.

UltraNaphtha®

EWOS provides patent pending proprietary flow enhancement products that improve field to refinery solutions of heavy crude oil. EWOS products modify Asphaltenes in heavy crude. Producers use Naphtha, Diesel and Condensates as diluents to help flow their products in pipelines and UltraNaphtha® is a replacement solution.

UltraNaphtha® is a patent pending product that *decreases* the required amount of diluent. The decrease in the volume of diluent used, *increases* the volume of oil shipped in the pipelines and significantly reduces cost of operations.

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UltraNaphtha® is blended to the amount of crude barrels under treatment to improve flow assurance. EWOS evaluates each customer's existing fluidization issues and then jointly develops the most effective cost reduction plan using UltraNaphtha®.

UltraNaphtha® reduces the Amount of Diluent required by 40% to 60% which **reduces Cost** and **Oil Delivery is increased**. There are No Negative Effects on Pipeline Seals or O-ring Materials. *Improved field to refinery solutions for heavy crude, Increases revenue.*

Research: EWOS has many years of testing of heavy & super heavy crudes resulting in our patent pending product UltraNaphtha®. Using our latest protocol methods EWOS is focused on Heavy and Super Heavy Crudes with an API of 14.5° or lower to provide our customers with the maximum possible cost cutting savings.

EWOS continues to offer "No Cost" evaluation of our client's crudes to determine the best possible blending ratios for UltraNaphtha®. EWOS is currently incorporating Aspen HYSYS software into our evaluation protocol to provide better field economic evaluations for our clients.

UltraNaphtha® is a registered Trademark of EWO Solutions LLC.

Our Team:

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Opening New Offices:

We are pleased to announce that we are finalizing our incorporation of EWO Solutions' subsidiary in Colombia in May, 2020.

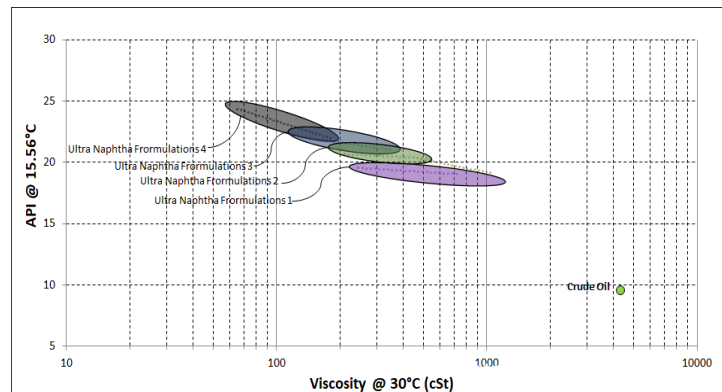
Our offices will be located at:

Tierra Firma Santa Barbara, 17th Floor Tierra Tower, Tierra Firma Complex, Carrera 9, No. 115-06/30 Bogota, Colombia

Please do not hesitate to contact one of our team members to further discuss your specific application or arrange a technical presentation at your facility.

HOT OFF THE PRESS our *Latest Update!*

EWOS is collaborating with Saxton Remote Systems to provide in situ field services using latest state-of-the-art remote sensor packages for the following applications: Aerial Mapping of Pipelines, Refineries, Tank Farms with additional sensors for Visualization of Oil and Gas leaks. Please contact EWOS for more details on services and www.saxonremotesystems.com



UltraNaphtha® Test Results
Using a 7.4API Super Heavy Crude

Upcoming Events Update