

# EWOS SOLUTIONS LLC

CELEBRATING 5 YEARS PROVIDING - EFFICIENT ENERGY SOLUTIONS™



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## Corporate Update By Douglas W. Swain

I want to wish our customers, employees, vendors, partners and my family a healthy recovery and safe path forward. COVID-19 pandemic and lower oil prices, we all know the effects of these two events in our lives and the world economy. EWOS continued to respond to our client's request to evaluate their crudes for the best solutions for the use of our products to help reduce our client's overall cost to produce their products.

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

**UltraNaphtha®** reduces the Amount of Diluent required and **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.*

## UltraNaphtha®

**UltraNaphtha®** provides "Patent pending" proprietary flow enhancement that improves field to refinery solutions of heavy crude oil.

**UltraNaphtha®** modifies Asphaltenes in heavy crude. Producers use Naphtha, Xylene, Diesel and Condensates as diluents to help flow their products in pipelines and **UltraNaphtha®** is a replacement solution.

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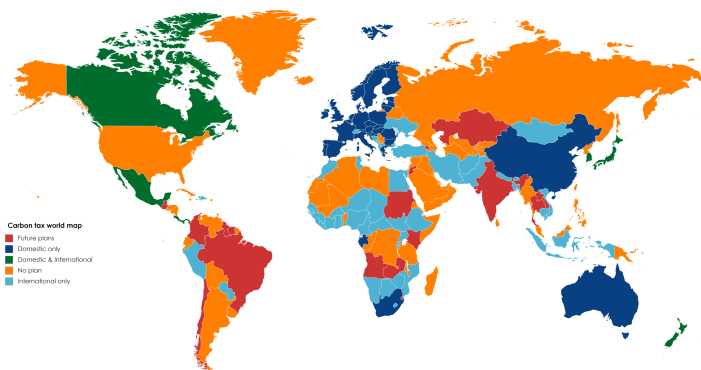
## UltraNaphtha® Reduces CO<sub>2</sub>

The ultimate goal of EWOS is to create a positive product which reduces the emission of greenhouse gases into the atmosphere. The EWOS products provide a worldwide solution to achieve these goals.

A carbon credit is equal to one ton of carbon dioxide. According to the Environmental Defense Fund, that is the equivalent of a 2,400-mile drive in terms of carbon dioxide emissions.

**UltraNaphtha®**. EWOS current supply is approx.. 300bbls a day production. Based on the factors of production we reduces CO<sub>2</sub> by 2,600 lbs. a day in the environmental recovery process when compared to other production methods. This net positive carbon credit and the 50% plus reduction of Naphtha and other diluents provide an economic one / two punch for our customers in savings and value.

EWOS goal is to increase production of our product from 9,000 barrels a year to over 30,000 barrels per year in the next 3 years.



**Carbon Tax World Map:** A world map showing the levels of carbon taxing by country

Using **UltraNaphtha®** provides the customer with additional economic benefits by offering a real carbon credit offset.

## Our Team:

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## Opening New Offices:

We are pleased to announce that we are finalizing our presence of EWO Solutions LLC in Colombia at the end 2020.

Our offices will be located at:

Tierra Firma Santa Barbara, 17<sup>th</sup> 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 UltraTrac™ sensors for Visualization of Crude Oil leaks. Please contact EWOS for more details on services and [www.saxonremotesystems.com](http://www.saxonremotesystems.com)



*Our Latest Blend offering a  
36.88 API, and 0.8395 Density.*

## Collaboration Update

EWOS is pleased to announce our collaboration with ENNOVA LLC of Stafford Texas.

ENNOVA.US provides innovative methods to Diagnose, Predict, Mitigate and Remediate Petroleum Production Problems offering:

- Petroleum Production Technologies
- Flow Assurance
- Computer Modeling
- Laboratory Tests
- Enhanced Oil Recovery
- Water Technologies