



  
 B L U E H O R I Z O N  
 X E G A T E

# COLD CRACKING CATALYSTS

## XEGATE BLUE FUEL

Recover Waste Oil Sludge from Refineries and polluted lakes and transform in clean Low NOx, Low Sulfur Fuel Oil to sell



**XEGATE S.A.**  
 via Vela 8, Locarno Switzerland  
[www.xegate.eu](http://www.xegate.eu) [info@xegate.eu](mailto:info@xegate.eu)

**QUICK**  
 Only Mixers and Tanks are required, and the Catalyst reacts in a few minutes

**PROFITABLE**  
 For each Ton of Oil Sludge, with XBF the NET INCOME is 195 USD/Ton

**SMART**  
 Just mix about 60% Oil, 40% Water, and less than 1% Catalyst at 60°C to 85°C

**HIGH QUALITY**  
 XBF Blue Fuel is sold at full price for Ships and Power-Plants

**EFFICIENT**  
 100% of the Sludge Oil and Water are recovered to Xegate Blue Fuel

**GREEN**  
 XBF Blue Fuel is Low-NOx, Low-Sulfur



XBF Unit is employed in the process of cleaning the Waste Oil Sludge.

Oil Sludge is accumulating in the world at an alarming rate: 1,000,000,000 Tons are now stocked and every year more than 100,000,000 Tons are accumulating.

Oil Sludge is toxic, with traditional method it cannot be incinerated, cannot be filtered, cannot be pumped to a waste water treatment facility, and thermal treatment is not cost effective.

Xegate, with XBF, while safeguarding the environment transforms this waste into profit.

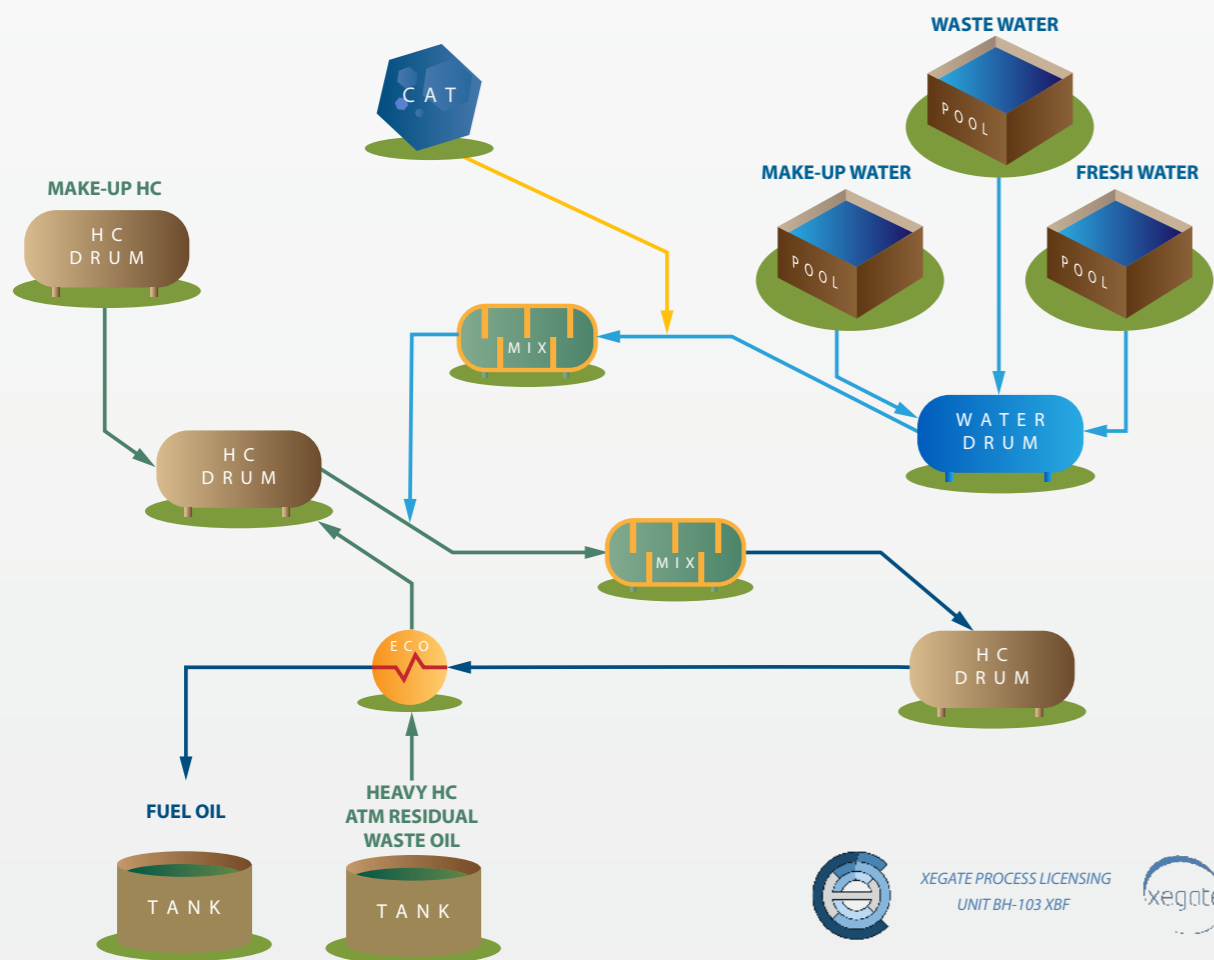
Worldwide we turned no use waste into a 200 Billion Dollar Market.

XBF Unit uses a catalyst which cracks water into carbon chains to make shorter and lighter carbon molecules.

It means that we can combine water with Sludge Oil, and the result will be our lighter XBF (Xegate Blue Fuel) Oil.

XBF Unit can be successfully applied to clean and recover:

- Refinery Waste Oil Sludge
- Hydrocarbon-polluted Lakes and Pits
- Oil Tanks - Crude Oil, Diesel
- And more...



XEGATE PROCESS LICENSING  
 UNIT BH-103 XBF

Oil Sludge is one of the biggest problems in the Oil & Gas Industry.

These dangerous and environmentally destructive wastes are produced by oil wells, while washing the oil tanks and oil bunkers, and even during the transportation.

Oil Sludge usually is composed of waste hydrocarbons, waste water, sand and minerals.

Worldwide, at the present day, 1,000,000,000 Tons of Oil Sludge are accounted, and the annual production of Oil

Sludge is more than 100,000,000 Tons per year: these are unbelievable and terrifying numbers.

But the Biggest Business Opportunities come to who can solve the World's Biggest Problems.

Besides our solutions, nowadays the world doesn't have a real possible, feasible and economic solution for this toxic issue.

The Refineries store their Oil Sludge in pools and natural ponds, bringing destruction to the environment.

We have an economic solution, and while safeguarding the Planet we are even making the Oil Sludge market extremely profitable.

Xegate, with its Strategic Partner KGM, provides a new hi-tech combined solution for recovering oily sludge: XBF.

XBF Unit comes from a new generation of hi-tech Catalysts: the technology is extremely complex but its implementation is really easy to install and operate.

XBF is already installed and running in selected Refineries all over the world and the word is spreading out rapidly.

XBF Unit can be set up quickly, with no heavy investments, and it is very easy to operate and maintain.

Considering the estimated numbers of the Oil Sludge production rates and the accumulated reserves in the world, you can improve your business by protecting the environment with huge financial profits.



XBF Recovery Catalysts crack water molecules and bond them with hydrocarbon chains.

After adding our powerful Catalysts to the Oil Sludge, a chemical bond between water and hydrocarbons is developed.

This is one of the easiest operations in Oil & Gas Industry: it is safe, fast and super-efficient.

XBF recovery technology can solve Oil Sludge environmental concerns of International Environmental Organizations: we don't need anymore to dump this kind of polluted materials into our environment; and we don't need to spend money on getting rid of the Oil Sludge. A Refinery can be turned a little bit more into a Green Industry!

Not only you won't to spend money for the Oil Sludge disposal, but you will make it profitable!

XBF Unit will turn your Oil Sludge into a clean Fuel Oil, sellable to the International Market at International Benchmark Prices.

Our extremely high-tech and high-profit XBF Unit is now accounted as a win-win element for every Refinery and Petrochemical Plant.

Oil Sludge recovery business, with Xegate, is no more a problem or a side project, but a major profit in the Oil & Gas Industry.

XEGATE does and supports Advanced Research & Development around the World since 2012, with major focus on the fields of nanotechnology for Energy and the Environment, for the sake of the Earth and Mankind.

Cold Cracking Catalysts Products are in Strategic Partnership with the Estimated Company KGM.

KGM HOLDING GROUP, focusing on the Oil & Gas Industry, provides a broad range of hi-tech catalysts and technologies to develop new solutions to so far unsolved issues and offers a full package of services, consultancy and supervisions for refineries, distributors, oil fields, and transportation pipelines.

KGM includes a network of Universities and Institutes worldwide, especially in the United States of America, Germany, the Netherlands, Iran and China.

KGM is active in the refining, with more than 15 years of experience and Join-Ventured Companies worldwide.

Hard working, honesty and trust are our keys in every project and we consider our Clients as our Partners and as part of ourselves.

Join Xegate, your Future is Now!

*We live in an era of energy and environmental challenges*

*We live in an era of amazing nanotechnological advancements*

*We have the tools to balance, let's open our eyes*



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