

BLACKSTAR ENVIRONMENTAL GROUP

THUNDERHAWK WATER PROCESSOR

WASTE WATER REMEDIATION



The BlackStar Environmental Group announced production of its patented ThunderHawk Water Processor in 2016. The announcement coincides with the manufacturing and production of the company's waste water remediation technology, not only used in Oil & gas and Agricultural industries, but encompasses all "Waste Water Industries".

- The ThunderHawk Water Processor provides for waste water processing, pollution control, salt removal from heavy brine water and optimizes water resources to reduce fresh water consumption by oilfield fracking and many other industrial uses. Our water remediation technologies are based on research and development performed by the BlackStar design team.



The ThunderHawk Water Processor and waste water remediation technology, developed by BlackStar, has extensively and successfully tested waste water generated by Oilfield drilling operations, Production waste water, Oil and Gas pipeline entrained water, oily barge and boat ballast waste water, mining / refinery processing water and Agricultural waste water from animal processing plants etc. Treatment end products are coalesce-able and biologically inactive with oils and greases which are super-coagulated. ThunderHawk Water Processor pre-treated waste water is subjected to hydro-cyclone vortex, skimming and biological oxidation as required for the conditioning necessary to meet wastewater discharge standards to include Zero Liquid Discharge (ZLD) requirement.

ZERO LIQUID DISCHARGE (ZLD)
RESPONSIVE TO ENVIRONMENTAL CONCERNS

Ben Vinet, CEO and Founder of BlackStar stated, “American innovation in the oil and gas sector has provided our country with the energy needed to power a 21st century economy. However, the need for disposal of waste water from oilfield operations has increasingly becoming a major problem for the industry. Oil companies spend Billions each year to dispose of waste water. Salt water injection wells are becoming a “Growing Concern” to environmentalists and geologists throughout the United states especially Oklahoma where recent earthquake activity has spawned numerous studies on the hazards of injecting millions of barrels of waste water back into the ground.

BlackStar Environmental Group has developed and patented a mobile solution, the ThunderHawk Waste Water Processor and its water remediation technology, to safely and efficiently process waste water and developed a market for commercializing the processes and devices for sale to the market. More importantly, our flexible deployment and Zero Liquid Discharge capabilities, are unique in the market and provides BlackStar with a competitive advantage.

Various new configurations of separation technology have expanded waste water treatment options, including hydro-cyclones to coalescing plate filters, dissolved air flotation and even the use of ultra-filtration to separate and concentrate the individual waste streams. While these methods offer good process response through a wide range of flows, and can meet typical 100mg/l total hydrocarbon cleanup regulations, they are incapable of meeting proposed environmental protection legislation.”

Vinet further commented, “The ThunderHawk Water Processor is a thermally enhanced series of stimulation, which is designed to recover energy and achieve sustainable processing goals increasing its viability. The full gambit of separation techniques is employed while combining a resource recovery process which decreases operational costs and develops viable beneficial water and salt by-products for sale on the global market. This type of processing is rare in the industrial world.

We believe that our operational efficiency in a ZLD application is both unique and superior to all other products on the market today. We are not only reusing dissipated energy through our process to power the unit but also to ensure our ability to operate in cold and freezing environments.”

Irv LeBlanc VP of Global Operations stated, “BlackStar Group is working with its manufacturing partners to produce equipment for the agricultural and industrial world to leverage its North American operations. BlackStar is building relationships and joint venture partnerships to bring these invaluable solutions to all industrial markets. Water resources around the globe are under stress and waste water is a huge financial burden on the world. By the year 2025 waste water management will be a \$674 Billion-dollar industry. By globalizing these water management solutions, Blackstar will lead the way in changing the way the world looks at waste water.

For the first time in the history of the modern world companies will begin to “Generate Revenue” from a waste stream that has forever been a drain on its assets. Through our technology our customers will be able to develop a new market in a rapidly changing business environment.”

About BlackStar Group

BlackStar Group is a North American water remediation technology company focusing on efficient removal of pollutants from waste water used in agricultural, industrial and commercial processes. Water is key to life and our technology provides beneficial use water not only for our clients but for use by the entire world population at large.

Our technology expands waste water remediation and cleanup for the oil & gas, agricultural, mining and geothermal industries using our patented ThunderHawk Water Processor. Our technology can produce beneficial use potable water and energy for agricultural and industrial operations in remote locations and water stressed environments such as drought stricken and barren lands as well as everyday operations throughout the globe.

For further information, please contact us at the numbers or emails below. We will be happy to provide information detailing our solution overview and capabilities and to provide a financial overview and price quote for our services solution to you.

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