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Tokyo-based S-Mach Engineering announced the signing of several agreements to supply industrial water purification systems – known as the Kria Industrial Ionizer.

Jointly, with Tokyo based YCL Corp., an agreement is in place to supply the country of Peru with water purification units to be used by city water utilities for the treatment of wastewater; and the cleanup of rivers and lakes that are suffering mining pollution. The contract is open-ended and may reach a maximum of 4000 units. Financing will be supplied by the World Bank. This adds to other Kria Ionizer uses in Japan and India. YCL also secured sales rights for a number of other S-Mach environmental technologies – most notably the EE21 Resource Recovery System, a toxic waste disposal unit.

In North America marketing efforts have increased from an alliance with Denver, CO based EcoUSA. "A number of professional reviews have convinced us that technologies introduced by S-Mach are true environmental game-changers." declares Mike Mangham, owner of EcoUSA, "Their performance is well beyond our expectations."

The Kria Ionizer technology injects negatively charged ions into water (oxidation). The ions spread throughout the water body, depleting hydro-carbons (oil), and other pollutants. Demonstrations and testing after the Deep Horizon Gulf Oil Spill validated the technology and its ability to degrade submerged oil and increase dissolved oxygen. The system restores a natural balance without using chemicals or harming marine habitats. Each Ionizer unit can impact a water area approximately one mile wide, three hundred feet deep – and allows for multiple, scalable layouts.

"It may well be the only known way to clean marshes of spilled oil without harming the ecology. In addition, we are very excited about the cost benefits of other water cleaning advantages." adds Mangham, " We are able to significantly improve the condition of a huge number of polluted water bodies - such as, fracking fluids, industrial waste ponds, bluegreen algae sites and fishery businesses."



Demonstration site of KRIA-EcoUSA Industrial Ionizer, Orange Beach, AL (Deep Horizon Oil Spill)



Water Ionizer Equipment – fits in a pickup