

Bio Architecture Lab, Xunshan Group to co-develop integrated biorefinery

Partnership aims for fuels, chemicals & co-products from brown seaweed

In California, Bio Architecture Lab announced an agreement with China's Xunshan Group, the world's largest grower of brown seaweed and a global ocean fishery and aquaculture company. Under terms of the agreement, the companies will develop an integrated seaweed bio-refinery to produce a low cost carbohydrate for the production of renewable chemicals, fuels, animal feed and a variety of other high value products using Xunshan's seaweed and Bal's conversion technology.



“Partnering with the Xunshan Group is a critical step to accelerate our path to commercialization,” said Daniel Trunfio, Chairman and Chief Executive Officer of Bio Architecture Lab. “This agreement allows us to focus on our core strength – proprietary and patented technology – while leveraging the expertise and global reach of the Xunshan Group. Together, we will develop international markets for the production of renewable fuels, chemicals and other high value products using our low-cost carbohydrate derived from brown seaweed.”

The Xunshan Group is a premier Chinese aquaculture company and the largest producer of brown seaweed in the world. Xunshan engages in the extraction of bio-products, such as alginate, sodium alginate, iodine, mannitol, fucoidan, and seaweed fertilizers from seaweed. The company is also a leader in the research, development, production, and sale of animal pharmaceutical products and animal feed.

“Bio Architecture Lab's technology opens new markets for seaweed production, and will help enable Xunshan to increase our production and expand our business globally,” said Li Changqing, Chairman of the Xunshan Group. “Bal is the world leader in seaweed based conversion technology and we are excited about our partnership. We look forward to creating new opportunities for both companies that will ultimately create new markets and economic opportunity through sustainable chemicals, fuels, feed and other high value products.”

Coupled with Bal's technology, seaweed is an ideal global low cost feedstock for the commercial production of renewable chemicals and fuels. In addition, to its vast abundance, seaweed does not require arable land or freshwater to grow, and is environmentally friendly. Bal and Xunshan are currently conducting feasibility analyses of sites for both the integrated bio-refinery and a

dedicated seaweed farm along the coast of Shandong Province.

“The Xunshan Group is the world’s leader in seaweed production and we are very excited about the opportunity to partner with them,” said Trunfio.

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