Fishtech AWARDS

FISHTECH AWARDS 2018

Case Study

青岛市海洋与渔业局
Qingdao Municipal Ocean and Fisheries Administration

China Fisheries & Seafood Expo

Fishtech AWARDS

11 STARTUPS

FROM EUROPE, ASIA, AMERICA AND AUSTRALIA

SELECTED IN

A 6-MONTHS LONG SCREENING PROCESS FROM

OVER 100 GLOBAL FISHTECH COMPANIES

Fishtech AWARDS

COMPETING STARTUPS

umitron.

UMITRON builds user & eco-friendly data platform in aquaculture to improve farm efficiency and manage environmental risk for sustainable ocean by using IoT, satellite remote sensing and machine learning. Umitron provides UmiGarden as smart feeding system and just started the data service for aquaculture insurance to support farmers. Recently, Umitron closed S$15.2mil investment to lead sustainable development of aquaculture through technology as an aquatech pioneer.

Umitron　公司通过利用物联网、卫星遥感和人工智能等技术，在水产养殖领域建立了用户与生态友好型的数据平台，以提高养殖效率和降低对海洋环境可持续性发展破坏的风险。Umitron推出“UmiGarden”这款智能养殖系统，并且开始向水产养殖户提供数据保险服务。作为水产行业技术的先驱，近期Umitron公司投入1520,0000美元利用科技的力量来推动可持续水产养殖技术的发展。

xpertSea

XPERTSEA is building the next generation of smart aquaculture equipment combined with an intelligence platform. The AI based solution enables you to automate animal data collection, monitor organism health and address issues early, optimize your production, make informed data driven decision and maximise farm profitability.

Xpertsea　正致力于通过结合智能平台来建设新一代精巧的水产养殖设备。采用人工智能技术能够帮助您自动采集养殖数据，监测动物机体健康以及尽早干预，从而优化水产养殖，用数据支撑养殖策略，为水产养殖商带来最大利润。

BIOTHESAN is the first company in the world with a tested solution for fish meal replacement based on brewery's yeast by-product. Our solution for aquaculture aquafeeds replace fish meal improve profits and fish health in order to help the farmer to reduce cost of exploitation.

Biothesan 是世界上第一家尝试用啤酒酵母副产品替代鱼饲料的公司。这一解决方案可以有效的提高水产养殖利润和鱼类健康，从而帮助养殖户降低成本。

TELLSPEC is a data analytics software and bioinformatics company that helping fight fish fraud by offering rapid, portable and affordable fish analysis. We have developed the Fish QC and Fraud sensor, the first portable device able to reliably measure fish quality (protein, fat and moisture), decay (how fresh the fish is), and the excess water in frozen fish, all in less than 20 seconds.

Tellspec 是一家数据分析软件和生物信息公司。通过提供高效、便携和价廉的渔业分析数据信息来帮助打击渔业行业欺诈。我们已经研发了第一款针对渔业品质控制和行业欺诈的便携式检测器，能够可靠地检测鱼类成分（蛋白质、脂肪和水分）、新鲜度以及冷冻鱼类中的过量水，所有这些监测都可以在20秒内完成。

SEDNA TECHNOLOGIES is able to track trace and monitor seafood from catch to plate. Through autonomous sensors and easy to use web applications, we decrease waste , save time and increase revenues along the entire seafood supply chain.

SEDNA 技术能够做到对海鲜产品从捕捞到餐盘的供应链全过程追踪和监测。通过自主的感测器和便捷的网络应用，我们可以减少损耗，节约时间，从而提高整个海鲜供应链的收益。

FINLESS FOODS

FINLESS FOODS is designing fish meat from the ground up, by growing it directly from high-quality fish cells. This isn't a vegetarian replacement, it's real fish meat that is grown outside of the body of a fish. Using this technology we can create a food entirely without mercury, plastic, antibiotics, growth hormones, herbicides, pesticides, fishing, and animal cruelty.

Fineless Foods 该公司计划直接通过对高品质鱼细胞样本的培育来生产鱼肉酱。这不是素食替代品，而是通过在鱼体外培育细胞而生成的真实的鱼肉。通过这项技术，我们可以创造出一种完全没有汞、塑料、抗生素、生长激素、除草剂和杀虫剂的安全无公害食物，同时可以减少过度捕捞以及屠宰动物的问题。

CLUSTER BIOTECH

CLUSTER BIOTECHNOLOGYinnovates by using probiotic technology to address two major issues in the seafood industry: wastage and biosecurity. By using unique Australian microorganisms that contain an arsenal of natural antimicrobial, antioxidant and probiotic genes we have been able to: 1) prevent or delay disease establishment, 2) slow spoilage significantly, and 3) double or triple shelf-life

集群生物技术的创新是基于益生菌技术应用于解决海鲜产业的两个主要问题：浪费和生物安全。我们已经能够做到通过使用独特的澳大利亚含有天然抗菌、抗氧化和益生菌基因的微生物配方来做到：1）预防或延缓疾病的发生；2）延缓腐败氧化；3）双倍乃至三倍的延长保质期

BioFishency
AQUACULTURE TECHNOLOGY

BIOFISHENCY'S Single Pass Biofilter (SPB) is designed to make highly-effective water treatment systems both accessible and appropriate for use in land-based aquaculture.The technology is installed worldwide, either as an effcient Turnkey RAS project, or as a 'plug & play' system to upgrade existing fish farm infrastructures.With an extremely minimal footprint, the SPB removes CO^2 and ammonia using a specially-designed substrate with a huge surface area (3,900 m^2/m^3).

BioFishency 公司所研发的单向生物滤池（SPB），是一款已投放市场并且适用于陆地水产养殖的高效水处理系统。这项技术已经被世界各地广泛应用，既可以作为高效完整的循环水养殖系统，也可以作为即插即用式小型养殖水处理系统，从而更好地完善养殖企业现有的基础设施。SPB独特设计的涵盖3900平米/立方米的基底可以有效地减少二氧化碳和有害氨在养殖水体中的积聚。

Eachmile

EACHMILE TECHNOLOGIES works with partners to facilitate the trade of responsibly sourced seafood using innovative technologies to verify quality and authenticity from the first mile to the last mile within supply chains. Our team is a unique mix of experts in sustainable seafood, aquaculture, seafood trading and mobile technology. We are working with some of the largest and most respected companies in the seafood industry using mobile rewards to incentivize data sharing amongst the millions of small-scale fishers and fish farmers around the world.

Eachmile 技术团队利用创新技术，通过追踪供应链第一英里到最后一英里的每一个环节来把控产品质量和食材的可靠，从而提高水产贸易的安全性。技术团队的专家由来自可持续水产、水产养殖、水产贸易和移动技术等行业组成。同时我们正在与水产行业中久负盛名的龙头企业合作，使用移动客户端奖励来鼓励世界各地数百万小规模渔民和水产养殖户之间共享数据。

Fishtech AWARDS

FISHTECH AWARDS 2018 WAS THE OFFICIAL PARTNER OF CHINA FISHERIES & SEAFOOD EXPO, THE BIGGEST GLOBAL SEAFOOD SHOW WITH OVER 30,000 VISITORS

Fishtech AWARDS

FISHTECH AWARDS 2018 WAS SUPPORTED BY LEADING SEAFOOD INDUSTRY BUSINESSES AND GOVERNMENT ORGANISATIONS IN CHINA

Fishtech AWARDS

OFFICIAL PARTNERS

青岛市海洋与渔业局
Qingdao Municipal Ocean and Fisheries Administration

THE SEAFOOD INDUSTRY AFFAIRS DIRECT
ADMINISTRATION DEPARTMENT IN QINGDAO, CHINA

COUNTRY GARDEN 碧桂園
给 您 一 个 五 星 级 的 家

COUNTRY GARDEN

China's largest Real Estate Developer, currently investing RMB 1.27b in developing an Ocean-tech Industrial Zone.

Fishtech AWARDS

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CO-ORGANIZERS

China Fisheries & Seafood Expo

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Qingdao Municipal Ocean and Fisheries Administration

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Global Aquaculture Alliance

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ORISING Frozen

中国海洋大学 1924 OCEAN UNIVERSITY OF CHINA Arctic Research Institute

roda International

Tsinfu 勤富

OVER 30 MEDIA FROM CHINA AND OVERSEAS

REPORTED FROM FISHTECH AWARDS 2018

Fishtech AWARDS

ALL FISHTECH AWARDS FINALISTS WERE INTERVIEWED BY WORLD'S TOP SEAFOOD MEDIA AND MAGAZINES

Fishtech AWARDS

MEDIA PARTNERS

Fishtech AWARDS

NEW PARTNERSHIPS THAT WERE ESTABLISHED BETWEEN STARTUPS AND BUSINESSES IN CHINA MARK THE SUCCESS OF FISHTECH AWARDS 2018

DON'T WAIT FOR INNOVATION TO HAPPEN. SHAPE THE FUTURE OF SEAFOOD INDUSTRY!

Fishtech
AWARDS

NEXT STEPS

We believe that the future of seafood industry is in Introducing big data into the supply chain and in investing in seafood species with high value to the customer.

That's why we're building *Tilapia.Market* .