SUSTAINABLE AND PROFITABLE GROWTH IN AQUACULTURE

Our passion is to work together with our customers to make it happen!

The world is hungry for fish. The demand for fish and shellfish is growing as both the world population and average wages increase. Consumer trends around the world point to an increased awareness of the health benefits of eating seafood. This growing demand has been supplied by aquaculture, which has grown at a staggering rate over the last three decades. Today over 50% of the seafood we consume is farmed. Farmed seafood production is expected to remain the fastest growing animal protein-producing industry in the next decade. Efficient farming technologies, improved genetics; along with innovations in nutrition and health management will be key to determining aquaculture's future.



This is an opportunity for aquafeed producers to consolidate their role at the centre of the value chain. Adisseo is determined to take the lead on innovation in aquafeed, supporting sustainable and profitable growth for our customers.

The history of the BU Aquaculture began in the late nineties

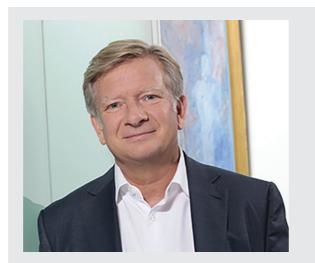
Dr. Peter Coutteau and his team initiated pioneering research on the development of nutritional and health promoting concepts for a diversity of aquaculture species. Throughout the incorporation of the aqua team into Nutriad in 2009 and Adisseo in 2018, a specialized portfolio of additives has been developed for aquafeed producers. Today, our vision for aquaculture is enriched by the longstanding experience in innovation and technical excellence of Adisseo, a global leader in animal nutrition and committed to support the sustainable development of aquaculture.







DISCOVER MORE ON ADISSEO'S ENGAGEMENT IN SUSTAINABLE GROWTH



"WE ARE AIMING FOR SUSTAINABLE, REASONABLE, ENVIRONMENTALLY -FRIENDLY GROWTH THAT MEETS THE EXPECTATIONS OF OUR CUSTOMERS AS WELL AS NEW MARKETS."

Jean-Marc Dublanc - CEO https://sustainability.adisseo.com/en/





SUSTAINABLE GROWTH

ENVIRONMENT

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ADISSEO MIDDLE-EAST & AFRICA ADISSEO ANIMAL NUTRITION DMCC

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ADISSEO CHINA ADISSEO LIFE SCIENCE

Suite 1003-1006, Kerry Parkside 1155 Fangdian Rd., Pudong New Area Shanghai 201204 | CHINA (PRC) Phone: 86 21 5830 9998







SHARE OUR VISION

The Aquaculture sector today faces very different challenges compared to livestock production and at the same time often lacks the critical mass to resolve the many bottlenecks. At Adisseo, we understand that our aquaculture customers have specific needs in terms of solutions, services and expertise. In our Business Unit Aquaculture, specialized and passionate teams are 100% dedicated to aquaculture from product development over product management to technical services and sales. All with just one goal in mind – growing your aqua business in a sustainable and profitable way.



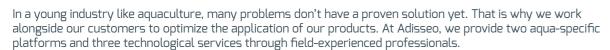


SPECIES-SPECIFIC SOLUTIONS AND SERVICES

Aquaculture around the world is diverse in terms of species of fish and shrimp, production systems and farming conditions. Understanding the specific challenges, for each of these situations, is the starting point for all Adisseo's aquaculture solutions.

Before they are brought to market, the efficacy of our solutions has been proven under commercial conditions, in terms of feed formulation, feed processing and aqua species.

DEDICATED AQUA EXPERTISE AT YOUR SERVICE



AOUA SERVICES

| JON SEILLICES | | | | | |
|---|--|---------------------|---|--|---|
| Aqua Nutrition Platform | Aqua Health Platform | E. lab | DiM JADISSEO | pne by ADISSEO | |
| Optimize feed formulation and feed processing QC/QA of raw materials and finished feed. | Optimize disease prevention programs, using in-feed additives and complementary farm care solutions. | Analytical services | Design, Implement and Monitor liquid dosing systems | Precise Nutrition Evaluation using NIR | • |

We invite you to share practical experiences with our aqua experts, so they can help to increase the productivity and profitability of your operation.











KEY PROGRAMS

HEALTH



| Sanacore® GM | Bacti-Nil® Aqua | Apex® Branchia | Aquastim [®] |
|------------------------------------|--------------------------|---------------------------------|--|
| _ | • | • | • |
| Broad-spectrum nealth promotion | Anti-microbial action | Prevention of gill parasites | Species-specific immune modulation |

DIGESTION

IMPROVING FEED COST EFFICIENCY AND FLEXIBILITY ON RAW MATERIAL CHOICE



| Aqualyso® | Lipogest® | Aquagest® | Rovabio® |
|---------------------|---------------------|---------------------|------------------|
| | | | |
| Natural emulsifiers | Natural emulsifiers | Species-specific | Innovative range |
| based on | based on bile salts | digestive/metabolic | of enzyme |
| lyso-phospholipids | | enhancement | solutions |

PALATABILITY

FEED PALATABILITY SOLUTIONS TO MINIMIZE FEED WASTE AND MAXIMIZE FEED INTAKE



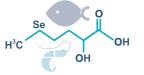
Aquabite®

Attractants and palatability enhancers





SPECIALTY NUTRIENTS TO SUPPORT A BALANCED FORMULATION OF AQUA FEEDS FOR ALL SPECIES OF FISH AND SHRIMP



| Nutri®-Taurus | Aquavit C | Rhodimet® | Selisseo® |
|---------------|-------------------------------|--|---------------------------------------|
| Taurine | Stable source of Vitamin C | DL-methionine and DL-hydroxy methionine | Innovative source of organic selenium |

EED QUALIT\

COMPLETE RANGE OF FEED ADDITIVES TO OPTIMIZE AND MAINTAIN FEED QUALITY



| Nutri®-Bind Aqua | Oxy-Nil® Aqua Zero | Toxy-Nil® Aqua | Mold-Nil® |
|------------------------------|---------------------------------|------------------------|-----------------|
| | | | |
| Low inclusion pellet binders | Ethoxyquin-free anti-oxidant | Mycotoxin inactivation | Mold inhibition |

FARM CARE

FARM SOLUTIONS TO ENSURE OPTIMAL HEALTH AND ENVIRONMENTAL CONDITIONS



| Nutri®-Farm P/PW/L/FE | Nutri®-Farm GUT Gold | Nutri®-Farm Stim S | Nadis |
|--|--------------------------------|-----------------------------|--|
| - | • | • | |
| Probiotics for soil and water management | Broad spectrum health promotor | Immune modulator for shrimp | Broad-spectrum disinfectant and virucide |

Being a global specialist in aquaculture additives, we are confronted with a highly fragmented business. It covers a wide diversity of aquaculture species, feed formulations, farm technologies and diseases. We run applied research programs around the world in collaboration with specialized academic partners as

APPLIED RESEARCH AS OUR FOUNDATION

in collaboration with specialized academic partners as well as selected customers, to develop and optimize the application of our solutions.

We are increasing our focus on R&D and innovation in aquaculture with the recently inaugurated Aquaculture Station by Adisseo (ASA); a RAS test facility at St Johns Island, Singapore.

These significant investments will enhance Adisseo's capacity in applied research, particularly focusing on long-term innovation projects that are essential to lead innovation in aquaculture.



