



# SATELLITE MONITORING SERVICE FOR SMART AQUACULTURE

  
**Rheticus®**  
AQUACULTURE



# MONITORING SERVICE FOR FISH AND SHELLFISH FARMING.

**Aquaculture** is a rapidly growing sector. Recent advances, such as the technological modernization of the breeding systems, boost efficiency and productivity. However, there are still risk factors to consider linked to climate change and degradation of the marine environment, which can cause important changes in nutrients and water temperature. Help comes from satellite technologies, capable of providing accurate information daily, together with estimates and forecasts on the sea's biophysical parameters and animals' growth trends.



## INDUSTRIES.

### FOOD

Fishery, Aquaculture.

### GOVERNMENT

National-to-Local Administrations  
duties, Parks.



# RHETICUS® AQUACULTURE.

**Get your daily information and significantly increase the performances of your farming activities.**

Rheticus® Aquaculture helps you assess the optimal time for both harvesting and selling products by estimating the livestock growth rate and monitoring sales prices on the market, respectively.

As a result, your production will be more sustainable, better protected from environmental risks, and overall more efficient, thanks to Rheticus® geoinformation designed to improve your farming tasks.

## BENEFITS



**SIGNIFICANTLY IMPROVE AQUACULTURE ACTIVITIES**



**ASSESS THE OPTIMAL TIME FOR HARVESTING AND SELLING PRODUCTS**



**MONITOR ENVIRONMENTAL PARAMETERS**



**IMPLEMENT RISK MITIGATION**



# BUSINESS INSIGHTS FOR AQUACULTURE.

**Rheticus® Aquaculture** provides farmers with smart information in the form of analytics, trends, and alerts to boost productivity or promptly identify critical issues that may arise from the risk of loss of production such as harmful algal blooms, presence of pollutants, or adverse weather and sea conditions. The service is available as a weekly report with environmental information, livestock growth trends, and market trends.



## FROM SATELLITE TO YOUR HANDS IN 4 STEPS



Satellite image acquisition



Constantly updated information, ranging over the whole area of interest



Accessible, easy-to-read, and actionable report



Field management



# EVERYTHING UNDER CONTROL.

In addition to the biophysical parameters of the water, **Rheticus® Aquaculture** provides aquaculture operators, useful indicators and parameters such as the weekly value and estimation of mussel growth and animals' growth trends, the weight reached, a 14-day forecast of mussel growth, comparative analysis of growth rate with the previous year.



Subscription-based



Continuous  
monitoring of  
environmental  
parameters



Daily monitoring  
of weather  
conditions



Weather-related  
risk assessment



Production site  
identification and  
monitoring



Cloud-based

# GATHER COMPETITIVE INTELLIGENCE, NOW.

Many users have already discovered the benefits of Rheticus® Aquaculture. Search our website for our customers' success stories and learn about the benefits of integrating Rheticus geoinformation services in your management and operational activities.

For commercial and technical support, you will always count on our global team of authorized distributors and on Planetek Italia's experience of over 25 years. Gather competitive intelligence, now. Contact us or request a demo.

## WHAT CUSTOMERS SAY

Rheticus® Aquaculture provided us a lot of operational information, very useful for our mussel production activities, able to optimize plant operation and identify critical environmental issues.

***Stefano Gilebbi,  
Alberoni mitili Soc. Coop., Italy***



INFO@RHETICUS.EU | WWW.RHETICUS.EU



Developed by

