



zenaqua®  
aquaculture under control

# Zenaqua®

*The integral solution in  
aquaculture*





# 1. The Company

INGESOM was born at the end of 2006 in Castellón, Spain, with the aim of tackling the projects of automation and software from a global point of view given the multidisciplinary formation of his promoters (Industrial Engineering, Telecommunications and Software).

The target is to develop from the simplest and concrete projects up to the most complex, and always faced to the satisfaction of the clients.





## 2. INGESOM in Aquaculture

The first steps of INGESOM in the sector of the aquaculture happened in 2008, with the design and starting up of a water recirculation module, developed jointly with IRTA (Institut of Research and Technology for Food and Agriculture), placed in Tarragona (Spain).

Thus, INGESOM began to contribute with innovative, sustainable and effective solutions to the aquaculture sector. Automation and control projects for industrial processes were developed in a close relationship with aquaculture centers, obtaining economic, energy and natural resources savings.





### 3. What is Zenaqua®?

Zenaqua® controls and monitors all existing automated equipment in a fish farm.

The advantages that Zenaqua® contributes, between others, are:

- Greater system control
- Maximum efficiency in the control of the main parameters like water flow rate, pH, temperature and oxygen.
- Reduction in the time of reaction to possible breakdowns

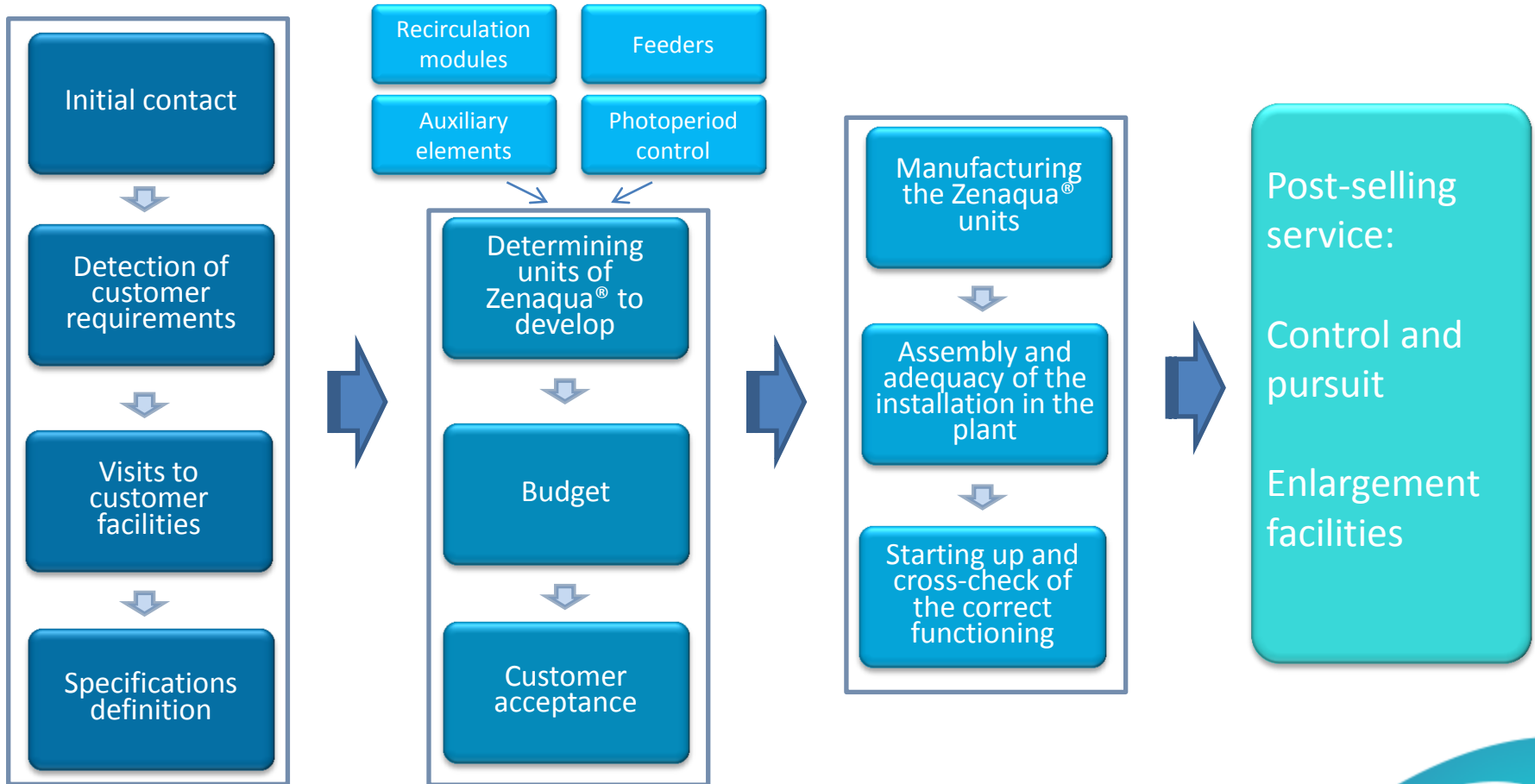
These enhancements to aquacultura allow:

- Optimize water consumption
- Reduce costs related to breakdowns
- Achive more effective research
- Facilitate the scheduling of preventive maintenance
- To provide users get the benefits of accessing and controlling their system from a single application, intuitive and easy to use.





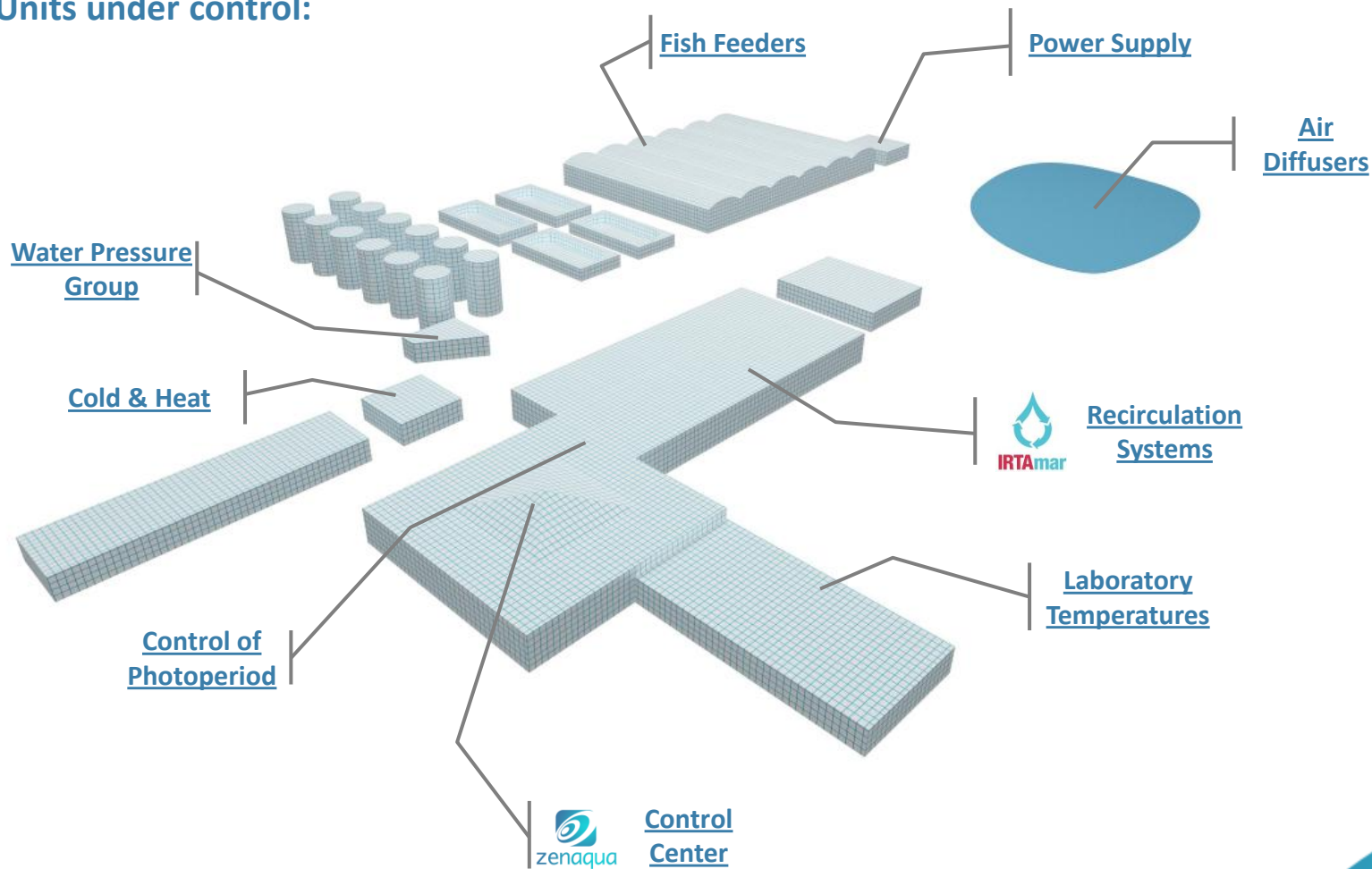
# 4. Zenaqua's Process of Work





# 5. Inland Fish Plant Type

Units under control:





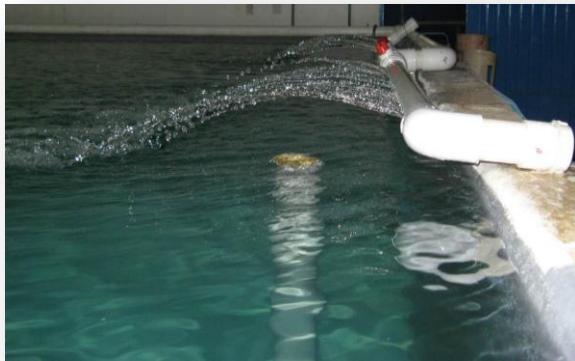
## 5. Successful cases



(Instituto de Acuicultura del Estado de Sonora)

INGESOM started its first step in the internationalization of its services after installing a water recirculation module in an aquaculture research center in Mexico.

The person in charge of automation of INGESOM, and the boss of technical services of the IRTA, carried out the start up of the module and a brief training on water recirculation systems.



For the IAES the installation of a module of water recirculation has been a big technological advance, and a big increase in the productiveness.





zenaqua®  
aquaculture under control

## 7. Contact

---



Science & Technology Park ESPAITEC

Castellón, Spain

Telf. +34 964 387 519

[www.ingesom.com](http://www.ingesom.com)

[info@ingesom.com](mailto:info@ingesom.com)

