

Valorsabio, is a Private and Independent Engineering and Technology provider company.

The company was founded by Engineer António Ferreira, after ten years experience in TECNIA also founded by the author of some worldwide now acclaimed technologies.

António Ferreira's, VALORSABIO CEO, was behind EC projects like LIFE, CRAFT, INCO MED, etc, and from its desktop he created acronyms like LMMP (Linear Matrix Multicell Photoreactor), now largely accepted and used. He is the author/inventor of JET-LOOP SYSTEM, the GREENAQUA, the ZEOREACTOR and more than 20 environmental and green solutions.

VALORSABIO is focus on Innovation Engineering, covering the environmental and renewable energies sectors. The Company is able to develop, design, project and deliver tailor made PROTOTYPES and Scale-Up systems, for the mosts challenging areas of the biotechnology / biochemistry related with the above large activities fields and sectors.



Fig.1: The first GreenAqua Prototype, based on LMMP technology.



Fig. 2. Two industrial three component continuous distillation units for biodiesel.

In addition, VALORSABIO is specialized in delivering detailed engineering services for large scale-up systems as also full process engineering.

One of the major recent projects was the 13 Wastewater Treatment Plants for Baghdad – Iraq, with the Jet-Loop System technology:



Fig.3. Baghdad Wastewater Treatment plant final 3D Detailed Engineering plot.

The Intellectual Property aspects, such as Patents & trade Marks management, Know-How transfer, licensing and Royalties are also at the center of the company capacities.

Fig.4. One industrial Jet-Loop System unit for winery wastewater treatment.



The company is now involved in several EC projects, following the 7th Framework Program, Life as also private research.

The focus of the company is to produce pre-commercial stage or demonstration units, for areas where the gap between science and technological applications is larger. The respect for the environment, ecosystems and wildlife is the “*sine quo non*” condition for every project start-up.

For VALORSABIO team, the major challenge, is to demonstrate that environmental respect, and ecologic policies are not an additional cost for the economy, but a long term sustainability strategy.

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