HidrovolutionTM



Challenging times

We live in challenging times where the need for intelligent water use is becoming essential. Although the irrigated area has tripled during the last 50 years, an estimated 850 million people still suffer from sub nutrition. The world population is growing, urbanisation rates increasing, high oil prices are putting pressure on agriculture to produce fuel crops, and global climate change contributes towards an increased water demand for the near future. Models predict that, by 2025, two third of the world population will have some sort of fresh water restrictions. In this scenario, one can expect that the costs of irrigation water will increase as demand grows and restrictions increase.

Smart irrigation

The need for smart irrigation and wiser water use is triggered by the increased demand and limited availability of water resources. Today's technology together with high skilled consulting services can help to improve efficiency and to:

Market Market Market International Consistency

Reduce irrigation water use up to 40%

Substantial decrease in energy costs

//Optimisation of fertiliser and pesticide usage

Work towards a better environment

Hidrovolution™

Hidrovolution[™] unique approach envisages the optimal use of irrigation water:

//Using F.A.O. Reference and Crop Evapotranspiration calculation methods

WUsing real time Climate and Soil Moisture data

///Using Satellite images together with water use prediction models

///Using state-of-the-art Irristrat™ SaaS platform

- //Integrating field data and guiding on site operations
- // Optimising the operation of sophisticated irrigation systems.

Assisting you to know HOW MUCH to irrigate and WHEN

BHV001EN Hidrovolution™ overview flyer © 2008, HIDROSOPH

HidrovolutionTM



Goals and Strategy

Irrigation management is a continuous

learning process. Each season has specific

Evaluation

Irristrat

The Hidrovolution™ methodology is a continuous improvement process. At any moment during the growing season, the system is able to provide standard and user defined reports helping to evaluate overall irrigation performance. In this phase, the results are benchmarked against the initial objectives. The final output and lessons learned during the Evaluation phase provides the main input for the next growing season.



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Irristrat

Assisting you to know how much and when to irrigate

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