ALGARVE

CONCILIATING THE SCARCITY OF WATER WITH INTENSE TOURIST ACTIVITY

NAVIA
AGILE OPERATIONS SOFTWARE

THE IMPORTANCE OF WATER MANAGEMENT IN ONE OF EUROPE'S BEST TOURIST DESTINATIONS

There are several factors that distinguish the south of Portugal as a top tourist region: some of the best beaches in Europe, of which 88 have Blue Flag status, 40 golf courses, and a tourist offer of excellence that attracts 2.2 million tourists a year. An essential pillar of this reality is water management. The critical nature of the operation is translated by the numbers: water must be supplied to an area covering an area 5,400km² in which the population triples from 435,000 inhabitants to 1,500,000 during the peak season. Implemented in 2007, the NAVIA™ operational management software carries out the integral management of this resource in the region, encompassing the capture of surface and underground water, its treatment and its distribution among the population. NAVIA™ is also responsible for managing the entire wastewater collection and treatment process and monitoring its safe return, contributing to the maintenance of high quality levels along the coastline, and preserving the ecosystems of the region, which is the habitat of one of the most under-threat species in Portugal, the Iberian lynx.

"NAVIA™ has brought about a big qualitative leap in the operational management, comprising an excellent bank of operational know-how, thus helping to reduce human error. Furthermore, it enables the provision reliable information that is always available to be used at all levels of the Company's management chain, from the operator on the ground to the top management. It is a tool I would classify as Excellent."
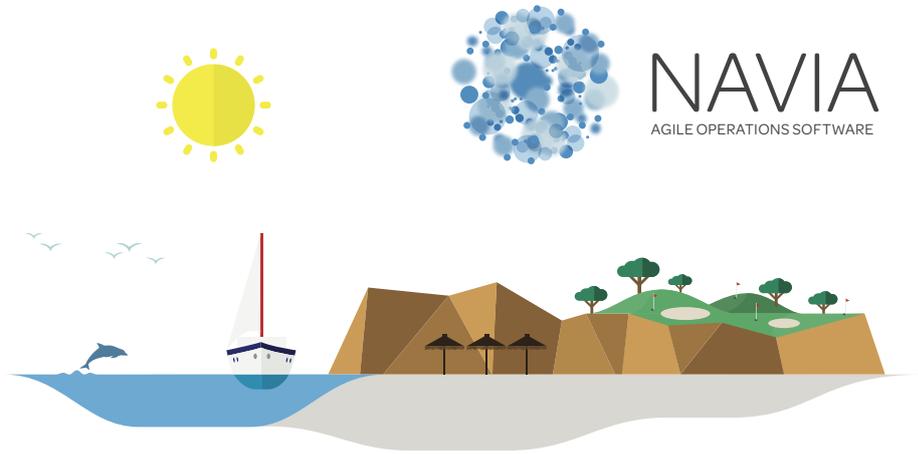Bota Barreiros – Manager of the Planning and Management Department of Águas do Algarve, SA. [Algarve Water Company]

Contributing to the conservation of the habitat of one of the most under-threat species in Portugal, the Iberian lynx.

40 GOLF COURSES, 2.2 MILLION
TOURISTS AND INTENSE AGRICULTURAL
ACTIVITY ARE FACTORS THAT PUT
GREAT STRESS ON THE REGION'S
WATER RESOURCES.
SINCE 2007 NAVIA™ HAS OVERSEEN
THE COMPLETE CYCLE OF WATER
USAGE, AND IS A CLEAR FACTOR IN THE
SUSTAINABILITY, GUARANTEE OF QUALITY
AND AVAILABILITY OF THE WATER.

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Águas do Algarve, SA has proven itself to be a
pioneering company by implementing the Water Safety
Plan of the International Water Association (IWA) and
becoming one of the few companies worldwide that
has food safety certification (ISO22000) for the water
it produces and distributes.
The management and monitoring of processes play an
essential role in achieving this performance level
throughout the territory and for a total of 68M m³ of
water supplied and 38M m³ of wastewaters processed.
NAVIA™ was the tool chosen to support the
management of the Águas do Algarve operation in
2007 to carry out the integrated management of
infrastructures, resources, data and teams.

THE RESULTS

The complete records (since 2000) of all the information in the region
regarding water is available on-line.

It compiles in a single database all the information coming from the
operational teams, 8 SCADAS and the Laboratory.

Monitoring and management of 30,000 variables, coming from 8,000
registry and acquisition points.

Since 2007 the entire activity of the large operational team in the
Algarve region (over 230 operators) has been supported, without
interruption, by NAVIA™.

The quality of this support from the operational point of view is borne out in
the following certifications: ISO9001, SA8000, ISO14001, OHSAS 18001,
ISO22 000, PSA / IWA.

Costs have been rationalised in terms of work, energy, subcontractors
and reagents.

The entire outsourcing activity is monitored in real time.

ABOUT NAVIA™

If today you have turned on a tap, parked your car in a public car park or
eaten a meal, it is highly likely you have benefitted from our software in
some way. From the management of major infrastructures such as
water supply and sanitation systems, to the maintenance of public
gardens, NAVIA™ operates in almost all sectors of activity.

NAVIA™ is a software solution dedicated to the management and
maintenance of processes and infrastructures that allow it to manage
all the tasks, equipment and infrastructures, and all the teams and
employees from a single real-time system.

THE COMPLETE REAL-TIME MANAGEMENT OF
YOUR PROCESS IN A SINGLE SYSTEM

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