



qualitas remos

*innovative data and technology
intensive solutions for a safe
and sustainable environment*



RABAT · LISBOA · MADRID · BARCELONA

www.qualitasremos.com

COMPANY PROFILE

QUALITAS is a group of engineering companies formed by

» **QUALITAS Ingeniería y Construcción**, created in 1989, has its main activity in project and construction management.

Further information at:

www.qualitasic.com

» **QUALITAS Instruments**, created in 2002, has its main activity in providing technology and data intensive solutions to the environmental and maritime sector worldwide with a multinational staff of skilled persons working with base in Rabat, Lisboa, Madrid and Barcelona. Among its references the data and engineering services provided to the Catalan Water Agency, Spanish Puertos del Estado, Portuguese Instituto Hidrografico and Moroccan Direction de la Meteorologie Nationale.

Further information at:

www.qualitasremos.com

(QUALITAS Remos™ is a QUALITAS Instruments registered trademark).

QUALITAS provides innovative solutions to the operational oceanography sector that integrate

- » Ocean Observing Technologies
- » Information Management Systems
- » Decision Support Tools
- » Custom Software Solutions

QUALITAS understands science as a key element that changes the environment and our lives by making them better. Therefore we promote new ideas that give response to societal needs and turn them into applied solutions.

QUALITAS shares with its employees the firm compromise to make the world a better place to live in and support fair, responsible and profitable relationships as well as initiatives committed with social, quality and environmental development.

QUALITAS activity in providing systems and solutions for environmental monitoring and modelling is **ISO 9001 and ISO 14001 certified**.



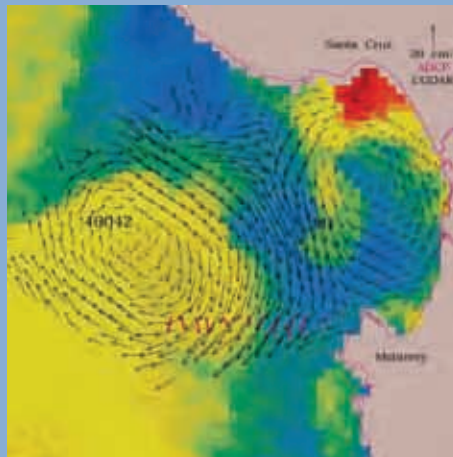
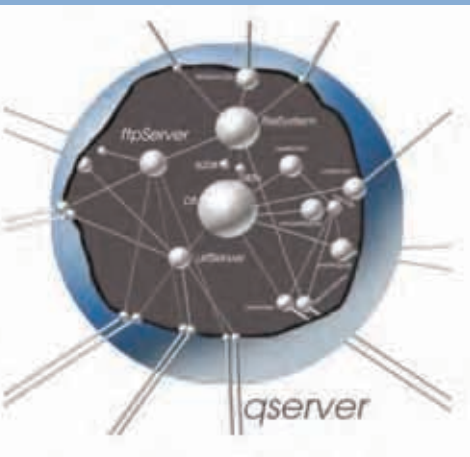
Galicia, Spain. November 2007

INNOVATIVE SOLUTIONS

QUALITAS, specialised in remote monitoring applications and the development of advanced decision support tools for the improvement of efficiency and safety in marine operations and a sustainable coastal management .

The agenda set by the EU under the Water Framework Directive, the European Marine Strategy Framework Directive and other environmental policy documents represent a new ambitious paradigm to organizations with operational and management responsibilities related to the sea.

The most advanced groups with activity in marine operations worldwide are working now for longer than two decades on the development of ocean observing networks and ocean forecasting tools to provide the required oceanographic and meteorological information that is needed.



Courtesy of NPS



NASA - Visible Earth - http://visibleearth.nasa.gov/view_rec.php?id=4963

QUALITAS activity includes

» Observing technologies

Planning, deployment, operation and maintenance of ocean observing networks that integrate instruments, private and public data acquisition and communication infrastructure such as

- » In situ data networks (tide gauges, buoys, gliders, other)
- » Remote earth based instruments (special focus on HF radar)
- » Remote satellite data

» System solutions

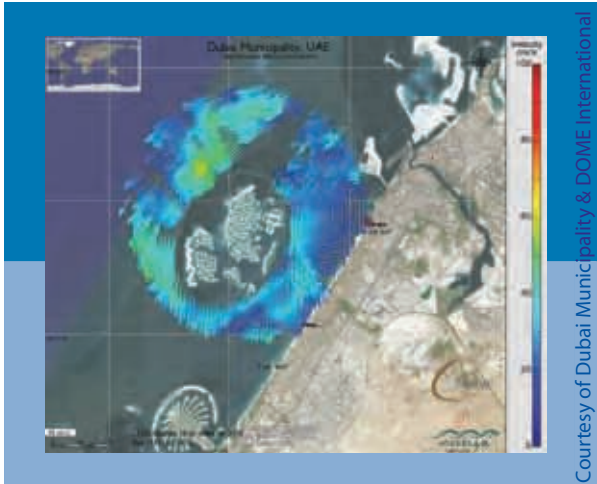
The implementation of data processing and information management solutions that include

- » QA/QC procedures
- » Data storage and data exchange
- » Advanced met-ocean data visualization tools that cover historical, real time and forecast data
- » Tailored products for different end-users based on data fusion

OBSERVING TECHNOLOGIES

QUALITAS leads the application and operation of HF RADAR for ocean observing in Europe, Africa and the Middle East

» The most advanced groups with operational responsibilities related to the ocean worldwide have identified HF radar as one essential observing component when integrated in their decision support schemes.



» **QUALITAS** has an unrivalled regional experience in Europe, the Middle East and Africa in HF radar technology application. We take the customer requirements as our primary organizational input and establish long term system operator and engineering service provider relations.

HF RADAR in alliance with CODAR Ocean Sensors Ltd.

» **QUALITAS** is a leading company in remote sensing technologies for environmental protection and natural resources management.

» Special focus is placed in HF Radar in alliance with **CODAR Ocean Sensors**.

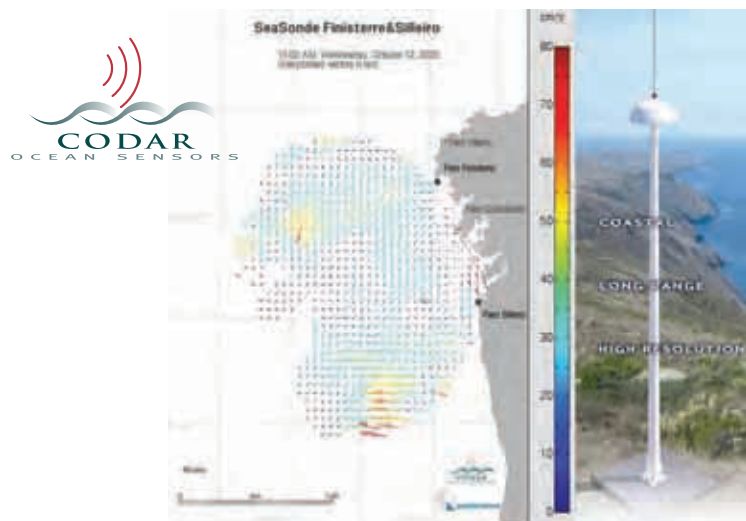
» **CODAR Ocean Sensors** is a high technology company founded in 1984 in the Silicon Valley, California.

» With more than 300 references worldwide, **SeaSonde®** is the world leading HF Radar technology for real time ocean currents and waves monitoring.

» Additional information at www.codar.com

HF RADAR, KEY IN

- » Environmental protection
- » Safe navigation
- » Coastal management
- » Infrastructure planning & operation



SYSTEM SOLUTIONS

QUALITAS, a tailored DATA & INFORMATION service provider with unique customer value

- ▶ **You specify the data you need**
Site, variable, data quality (availability, latency, uncertainty and other)



- ▶ **We provide the total solution**

- » Field engineering, consultancy, deployment, operation and maintenance of instruments as well as data acquisition and communication infrastructure
- » Latest, secure and comprehensive 24/7/365 data management services (data import + export, data storage, data visualization and many other)
- » Custom development and integration of software applications.



Courtesy of IOOS

PORTUS®, QUALITAS comprehensive and open information solution

▶ **QUALITAS** is a leading company in providing data management solutions and decision support tools to environmental protection, marine safety and navigation agencies.

▶ The operational integration of new forecasting tools together with the expansion of the ocean observing networks has resulted in a continuous accumulative growth of systems. This has produced certain dispersion of the information, creating deficiencies in terms of exploitation capabilities. In order to minimize such lacks and to improve the usability of information a new concept, the PORTUS system, has been developed and implemented in cooperation with **PUERTOS DEL ESTADO** (www.puertos.es).



Courtesy of Puertos del Estado

▶ The new **PORTUS®** system is based on the use of an enhanced interface that integrates different multisource 1D and 2D information with tailored products for different end-users, stakeholders and, at the same time, it can make visualization and export of data and selected easy products available to the general public.



QUALITAS GROUP

applied solutions for a better world

