

[The Monaco Oceanographic Museum Protects Its Guests with Micromedia's Alert](#)



In 1993, a building management system (BMS) was installed in the **Monaco aquarium**, which is world-renowned facility that is over a century old. This BMS allowed all the tanks to be monitored from afar, replacing the old patrol and checklist way of monitoring that had possibly been used since the museum opened in 1903.

Today, the aquarium has more than 90 tanks that contain more than 350 species of fish and 6,000 actual specimens that have fragile ecosystems. With the increasing diversity of the marine tanks and growing number of fish, a new way to manage and monitor the tanks became a necessity.

Two companies worked together to create a complex **building management** system that could handle such a delicate job. WIN-911's strategic partner in Europe, Micromedia International joined with Iconics France to create a customized BMS for the Monaco Aquarium. This system monitors more than 300 different variables at any given time.

One of the two systems keeping track of the different variables within the tanks is the **Iconics' GENESIS32**. When something is off about the water's properties or a fish wanders too close to an alarm sensor, the GENESIS32 system will then send this information to Micromedia International's ALERT system. It is the ALERT system that transcribes this information into an alert and sends it to where it needs to be.

The BMS system monitors the water's physico-chemical properties, such as salinity, oxygen levels, temperature, acidity, etc. Some of the ecosystems in the aquarium are so delicate that they can only survive minor adjustments in these properties. The BMS system allows for these various levels to be continuously checked around-the-clock, instantly recording and acknowledging every little change in an ecosystem.

Once a signal has been sent out, ALERT can use one of the 400 pre-recorded alarm notification messages to correctly identify the nature of a problem. First, ALERT notifies an on-site watchman via telephone. This watchman can then go examine the scene of the incident and, if necessary, disarm the alert. If the alert signals a legitimate issue, the watchman allows the alert to continue to travel until it

reaches the right people to address the situation. With ALERT, the Monaco Aquarium can trust that the appropriate person will be contacted to take care of the problem as soon as possible.

For more information, please contact WIN-911's partner Micromedia
at <http://www.micromedia-int.com/en/>.