



Relying on WinLink™ 1000 for Forest Video Surveillance

Wireless in the Wilderness

Portugal's forests are a treasured resource. When it came to preserving *Serra de Sao Pedro Dias* - one of the most beautiful forest areas in Lousa, Portugal – Observa, a company dedicated to environmental solutions, turned to wireless broadband from RADWIN.

RADWIN's WinLink™ 1000 point-to-point solution was installed in a monitoring tower in the *Serra de Sao Pedro Dias* forest by Wavecom, a premier turn-key integrator in Portugal. WinLink 1000 relays real time, high resolution video streams of the forest area to the local fire department headquarters located 5 km away. This enables fire department personnel to remotely monitor forest activity and detect fires on the spot.



Relying on WinLink™ 1000 to Detect Forest Fires

The Challenge: 24/7 Video Surveillance

RADWIN's WinLink 1000 broadband wireless solution was chosen for remote surveillance of the forest area because it met high-performance requirements for always-on connectivity and reliability. Transcending physical and geographical boundaries, WinLink 1000 provides an extremely reliable high-speed connection over distances of up to 80 Km/50 mi.

"WinLink 1000 transmits real time video streams from anywhere, at any time," said Mario Rui Santos, Wavecom's CEO. "The solution's long range, high capacity, and rugged reliability give Observa the confidence to perform the mission-critical task of ensuring that the *Serra de Sao Pedro Dias* forest area is monitored and protected 24/7."

WinLink™ 1000 Benefits

WinLink 1000™ significantly reduces expenses by replacing monthly recurring costs of leased lines. The solution also eliminates the need to trench fiber, thus leaving the *Serra de Sao Pedro Dias* forest untouched and unspoiled.

"On a number of key parameters RADWIN's WinLink 1000 is simply unsurpassed," continued Rui Santos. "The system provides high range - reaching up to 20 km/12.5 mi in ETSI regulated countries, and the use of a license-exempt band reduces OPEX to a negligible cost. WinLink 1000's ability to withstand the harsh climate and poor visibility conditions in the forest, and the fact that it was installed in mere hours was simply amazing. With WinLink 1000, establishing video surveillance is made easy and affordable."

The WinLink™ 1000 Advantage

- **Unrivaled price**
More competitive than any other solution of similar performance levels.
- **Carrier grade performance**
No downtime, ensuring 24/7 continuity.
- **Maximum reliability**
Designed for robust performance in the harshest weather conditions and transmits faithfully over the most difficult terrain, even in non-line-of-sight constraints.
- **Long range**
Up to 80 Km/ 50 miles.
- **Quick installation**
Link is established and running in just hours.
- **Simple operation**
Maintenance free; no learning curve.
- **Security**
AES 128-bit key encryption scheme guarantees optimal over-the-air security.



RADWIN's WinLink™ 1000 used for remote video surveillance of Portugal forest area