



## Biomuseo, from conception to inception

### A museum's quest for security and technology

In a museum, access control is not the only issue; sensitive and confidential areas are separated from public areas, valuable assets are safeguarded, and employee time clocks need to be managed. The Biomuseo in Panama is securing its perimeters with Rosslare's Readers and Controllers.

Biomuseo's perimeters are a complex environment, with multiple high-traffic buildings to control, each divided between public and secure areas, and complex division between employee, subcontractor, and specialist access, with time and attendance management required. Furthermore, Biomuseo possesses high-value assets and rare animals that require security and protection. Their desire was to restrict access to authorized personnel to administrative offices while allowing marine biologists access to the sea research institute, with its hatcheries and aquarium areas, without compromising on security to protect expensive and sensitive information, equipment, and infrastructures.



Carlos Arsenio Muñoz Flores, Technological Director of the museum since its foundation in 2014, chose to answer the museum's pain points with Rosslare equipment. Since technology is at the heart of the museum, Flores selected Rosslare's readers, controllers, and cloud-based AnTraxNG management software for its competitive advantage, modular access control system, and flexible and effective installation.

In order to control the museum's doors and facilities, the Biomuseo team has chosen Rosslare AC-225IP, AC-425IP, and AC-825IP networked controllers, paired with AY-H25 and AY-H6255BT RFID and Bluetooth Readers all controlled within the AxTraxNG™ system. The Biomuseo team relied heavily on Rosslare's extensive and global experience. It was rewarded with a user-friendly access control system based on Bluetooth and NFC mobile credentials that allow secure access to doors located in vulnerable public areas.

Museum keeps costly servers and the latest technology equipment for their exhibitions, basing their server rooms on Rosslare panels and readers. To enhance the security and accessibility of their aquariums, which thousands of visitors visit yearly, Biomuseo requested Rosslare install readers to monitor the passage of visitors while regulating the sensitive aquatic biodiversity and allowing access to biologists in critical areas. Furthermore, Rosslare anti-vandal readers were installed all around the facilities' essential equipment and improving safety protection of the water and fire evacuation during emergencies. Last but not least, Rosslare also installed NFC readers to control payroll using mobile devices.

## About Biomuseo

The Biomuseo, situated at the Panama Canal's entrance, is the first structure designed by renowned architect Frank Gehry. Affiliated with the Smithsonian, the Biomuseo is the primary museum institution in Panama. Its purpose is to motivate learning and discovery by combining technology, art, and design while educating visitors and the public about the importance of biodiversity.

**BiOMUSEO**

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