



Casamia Hoi An, Vietnam

New Luxury Development Debuts with State-of-the-Art Rain Bird® Irrigation System

Casamia is a luxury waterfront resort in the ancient city of Hoi An, Vietnam. The development spans over 150,000 square meters and features breathtaking villas, casinos, marinas, a spectacular outdoor space, swimming pools, restaurants, and gyms. Having operated as a Southeast Asian trading port between the 15th and 19th century, the city of Hoi An prides itself on maintaining harmony between nature and its Vietnamese identity.

THE CHALLENGE

Casamia is the owner's first resort property and irrigation is not a subject matter with which they have much experience. What they do know for certain is that lush landscaping is a focal point of the resort, and its success will depend on having an exceptional irrigation system in place. Casamia's owners are relying heavily on GREENLIGHT Company Ltd. to make irrigation recommendations that will provide the best value for their investment.

THE SOLUTION:

GREENLIGHT has determined that cutting edge Rain Bird® products will be the best fit for the property. GREENLIGHT will be working closely with the owner of Casamia to educate them on smart irrigation systems and to demonstrate the time and water savings that can be achieved through the use of intelligent Rain Bird products.



IQ™ Central Control

Core Products Used:

- IQ™ Central Control
- ESP-LXIVM 2-Wire Controller with Smart Valve Technology
- PGA Series Valves
- 1800° Series Sprays
- HE-VAN High Efficiency Variable Arc Nozzles
- 5000+ Series Rotors
- XFS Subsurface Dripline with Copper Shield™ Technology

KEY OBJECTIVES

- ✓ **Healthy Plants**
- ✓ **Centralized Control**
- ✓ **Remote Access**
- ✓ **Maximum Efficiency**



Site Report: **Casamia Hoi An, Vietnam**

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ESP-LXIVM 2-Wire Controller with
Smart Valve Technology

APPROACH:

Introduce Casamia to IVM Technology

GREENLIGHT has specified **ESP-LXIVM 2-Wire Controllers** for this property. ESP-LXIVM Controllers will remain in constant contact with valves via **Integrated Valve Modules (IVM)**—or smart solenoids—located within the **PGA Series Valves**. This will unlock advanced diagnostic capability and minimize troubleshooting time. Using IVM technology also eliminates the need for decoders, which would typically be used in a 2-Wire project.

Install IQ™ Central Control

The properties irrigation system will utilize **Rain Bird's intelligent IQ™ Central Control** software. The IQ interface is easy to navigate and offers industry-leading monitoring, programming, and control features. IQ will enable remote access to all the controllers installed in the field—from one central computer or any internet-connected mobile device. This ensures maximum flexibility for Casamia, giving owners and maintenance crews control of the entire irrigation system from anywhere in the world, at any time.



RESULTS:

Landscaped for Luxury

For a property this size, the ability to turn the system on or off from anywhere saves significant time and money. The maintenance crews are able to pinpoint and respond to problems quicker using real-time alerts and system notifications. Additionally, reducing the number of wire splices with a 2-Wire controller saved Casamia money on installation labor and has reduced the risk of any future ground faults. Casamia is now equipped with state-of-the-art irrigation technology, and ready to accept new tenants and guests.