

# Grand Ho Tram Resort Technical Zone Operations and Maintenance

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Ho Tram, Ba Ria – Vung Tau Province, Vietnam

HydroScience was retained by Asian Coast Development, Ltd to engineer, procure and construct (EPC) water and wastewater treatment plants for the first phase of the Grand Ho Tram Casino Resort in Vietnam. The Phase 2,200 m<sup>3</sup>/day water treatment plant (WTP) consists of pressure filters with sand and Granulated Activated Carbon (GAC) media. The Phase 1,900 m<sup>3</sup>/day wastewater treatment plant (WWTP) is an immersed Membrane Bioreactor (MBR).

All water and wastewater from the project is treated in the common Technical Zone. Future development of the project will also discharge wastewater to the Technical Zone for treatment and disposal. HydroScience was retained to provide property management services for the Technical Zone including operations of the water and wastewater treatment facilities. HydroScience also operates a solid waste processing facility and provides landscaping and security services for the common areas of the resort and the Technical Zone. The water and wastewater treatment facilities are operated 24 hours a day. HydroScience recruited and trained local operations staff and provided experienced management staff. HydroScience is also responsible for coordinating environmental compliance permitting with the local Provincial environmental department.

The treated wastewater is used for irrigation of the new golf course. HydroScience is responsible for ensuring strict compliance with Western standards for recycled water. Biosolids from the wastewater is dewatered in a centrifuge for use as a soil amendment at the golf course and for local ornamental landscaping.

## Client

Asian Coast Development Ltd

## Services Provided

- Operations
- Operator Training
- Security
- Contract Operations
- Landscaping

## Highlights

- 100 percent reuse
- Treated wastewater to be used for golf course facilities
- Recruitment and training of local staff to operate facilities

## Timeframe

August 2012 - Present

