

Ensuring Adequate Water Supplies at a Leading Caribbean Resort Hotel

Challenge

Curtain Bluff is one of the premier resort hotels in the Caribbean, catering to clientele seeking elegance, unparalleled service and amenities, and a breathtaking location. The resort's reputation is tied to consistently delivering upon its clientele's expectations — including the expectation that water supplies will be plentiful. Yet, throughout the Caribbean, inadequate drinking water supplies are a reality due to inconsistent municipal supplies, well water contamination due to seawater intrusion, drought and other natural events such as hurricanes.

Solution

GE Water & Process Technologies offered a hassle-free build, own and operate water desalination facilities.

Throughout the Caribbean's hotel industry, the rich history that GE brings with its Ioncic heritage means high quality, cost-effective potable water solutions. At Curtain Bluff on the island of Antigua and at hotels on several other Caribbean islands, GE designs, builds, owns and operates reliable, hassle-free seawater desalination facilities employing state-of-the-art membrane-based technologies such as reverse osmosis (RO). Our qualified local staff of water experts is available seven days a week to ensure that water is one thing that hotel operators simply do not have to worry about.

GE's expertise in financing, building and operating water desalination facilities throughout the Caribbean, allows resorts like Curtain Bluff the ability to focus on what they do best — provide their guests with carefree, elegant vacation retreats.



Curtain Bluff, Antigua

End-user:	Curtain Bluff Resort
Location:	Antigua, West Indies
Commissioned:	August 1992
Application:	Potable water
Feedwater source:	Seawater wells
Feedwater quality:	38,000 ppm TDS
Product quality:	240-300 ppm TDS; Exceeds World Health Organization (WHO) Guidelines for Drinking-water Quality
Water recovery:	40%
Capacity:	91 m ³ /day (24,000 gpd)
Technology:	Seawater reverse osmosis (SWRO) desalination

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