



CASE STUDY

INDUSTRY: HOSPITALITY



CUSTOMER: The Woodlands Waterway Marriott Hotel & Convention Center



LOCATION: The Woodlands, Texas, USA

BACKGROUND: Armstrong International through its representative affiliate Texas Steam and Instrumentation specified, supplied, and commissioned two complete Brain® Digital Mixing Centers (DMC1-BS1) to replace eight hi-lo style thermostatic mixing valves, which continuously failed to supply mixed water to high rise and low rise floors consisting of 341 guest rooms total. The hotel frequently replaced failed thermostatic valves and spent approximately \$1,500 per valve rebuild kit. Additionally, hotel management received constant guest complaints regarding the water temperature.

SCOPE OF WORK: The two DMC1-BS1 pre-piped installations have since provided accurate set point water temperature with minimal maintenance. The property has also benefited from the following:

- **Safety:** Constant and accurate water temperature prevents potential scalding
- **Accuracy:** Outlet temperature to system is +/- 2°F
- **Connectivity:** The Brain® and BrainScan™ communicate through an onboard status display and remotely through a Building Automation System to provide self diagnostics, alarms and temperature trending.

Before installation:



After installation:



Armstrong International
INTELLIGENT SOLUTIONS IN STEAM, AIR AND HOT WATER

North America • Latin America • India • Europe / Middle East / Africa • China • Pacific Rim

armstronginternational.com