

# CASE STUDY

Las Vegas' Wynn Hotel & Casino

## Application:

Fan Coils, VAV Boxes

## Griswold Controls

### Solution:

Coil Piping Packages  
Unimizer® Actuated Control  
Valves

## Contractor:

Southland Industries  
Hansen Mechanical

## Engineer/Consultant:

JBA Consulting Engineers

## Completion Date:

May 2006

Griswold Controls is  
ISO 9001:2000  
Certified

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The most recent – and stunning – addition to the southern Nevada skyline is the new Wynn Las Vegas Resort. Built at a cost of \$2.7 billion dollars and opened in April 2005, the 50-story bronze tower contains 2,700 luxury hotel rooms with floor-to ceiling windows, 22 restaurants, the 2,000 seat “Aqua Theater-in-the-Round,” and the “Promenade” with luxury boutique shopping. Built on the site of the former Desert Inn, it also includes an 18-hole golf course. Whereas most high-end hotels have car rental desks, Wynn Las Vegas houses a Ferrari-Maserati car dealership inside the resort. To pique curiosity, the front entrance and three acre Lake of Dreams are shielded from the street by a 140 foot tall mountain, replete with 60 foot tall pine trees.

Steve Wynn, who had previously built the Mirage (1989), Treasure Island (1993) and Bellagio (1998) hotels, conceived and developed Wynn Las Vegas. Several years ago he sold those three properties to MGM Grand in order to develop Wynn Las Vegas. This resort-casino clearly establishes a new threshold for local, high-end properties. **JBA Consulting Engineers**, Las Vegas, is the mechanical engineering firm responsible for the project. Bid and mechanical construction activity was divided into seven distinct areas, and the specification allowed for either automatic or manual flow controls. Southland Industries, Las Vegas, handled area one and the central plant, and Hansen Mechanical of Las Vegas was awarded responsibility for areas two through seven, which covered the tower.

**Engineered Equipment & Systems Co.**, the Griswold rep for southern Nevada, successfully convinced Southland Industries and Hansen Mechanical to utilize Griswold coil piping packages.

Unimizers® were installed on a majority of the fan coils, VAV boxes, heating coils and heat pumps in the hotel rooms, showrooms, the Aqua Theater and the villas.

According to **Matt Miceli**, the Engineered Equipment & Systems Co. sales engineer responsible for the project, the Unimizer packages significantly reduced Hansen's ATC coordination costs. Matt said, “Hansen has been a Griswold Controls customer for some time. They especially like Griswold's coil hookup packages and the way we shrink-wrap them. No other vendor provides this packaging concept. This project also offered them the opportunity to add the Unimizer® to the packages, which greatly simplified the coordination with the ATC contractor. The project time frame was extremely aggressive and the Unimizer® packages saved the contractor a significant amount of install time.” James Gomel, Hansen Mechanical project manager, stated, “The Griswold coil-piping packages allow for installation consistency to the systems along with a valuable savings in labor cost. In addition, incorporating the Unimizer® with the package allows for a complete installation of the coil-piping package, thus eliminating the need for additional labor required to install the controller in the field.

In total, over 2,000 Griswold Controls piping packages are installed on the project along with over 20 air handler packages in area one. In addition to the flow controls and coil piping packages, Engineered Equipment & Systems Co. sold in excess of \$100,000 worth of Griswold Filtration separators and separator package filtration systems for the numerous cooling towers on the project.

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