Renovation: Manhattan Center –
Sheraton Hotel & Thon Hotel, Brussels

First-class hotels – first-classheatingsystem

In the Manhattan Center, Brussels' modern business complex, lies the Sheraton Hotel and the Thon Hotel – two of the city's most exquisite hotels. In order to accommodate business travellers and tourists in style, a new conference centre has been built and the spacious rooms have been enhanced. In the scope of the renovation work, the joint heating system of the two hotels was also brought up to date. Two modern R600 gas condensing boilers will immediately replace the old standard gas burners.

ELCO has already successfully collaborated with the Manhattan Center Sheraton for several years. ELCO also convinced its customers for this order with exceptional service from the signing of the contract to the maintenance. The heating system was renovated without interrupting the operation of the hotel thanks to the compact construction and the easy installation of the new heating system. It combines the highest degree of system

flexibility with outstanding performance. The result is quality at a fair price and an investment that has quickly paid off.

Customer
Starwood Hotels and Resorts
Worldwide, Inc.
1111 Westchester Avenue
White Plains, NY 10604

User
Manhattan Center Sheraton
Charles Rogier Square 3
1210 Brüssel

Planning
Jean Linares
Du Boulevard Avenue
1210 Brüssel

Installation
Didier Desplenter
Oude Postweg 17
St.-Pieters-Leeuw

BENEFITS

Efficiency
- **Low volume of water for fast heat transfer**
- **Consistently high efficiency**
- **Normal supply level 110.4 %**

Convenience
- **Highest degree of system flexibility**
- **Compact and space-saving**
- **Plug & Play principle**

Savings
- **Energy savings of up to 35 %**
- **Pollutant emissions 3 % lower than with a standard system**
- **Cost savings of € 80,000 in 7 months**

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Feel-good heat for exquisite hotel comfort

The new system

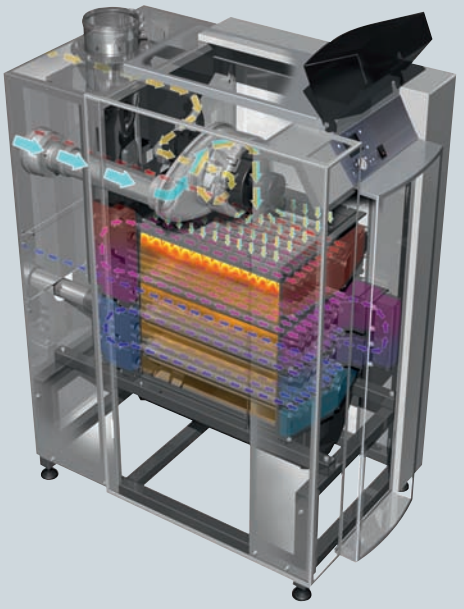
Both hotels combined have more than 1,000 rooms on 30 storeys. This enormous space required an efficient heating system, which the R600 series by ELCO provides. Up to eight boilers and 15 mixer circuits can be synchronised, thereby generating up to 4,500 kW. Renovation using modern R600 gas condensing boilers enables 35 % energy savings com - pared to the old system. The result is significant cuts in costs, namely up to € 80,000 in seven months. A weather-based electronic control reliably monitors all functions. All settings can be retrieved or changed using a digital display window.

In addition to its safe handling, another benefit of the R600 gas condensing boiler is its easy assembly. Preassembled system kits for hydraulic separators and plate heat exchangers make it particularly easy to plan and install. This is the Plug & Play principle.

Equipment	New System
Gas condensing boiler	R607
Normal supply level	110.4 %
Nominal heat output	80.5 - 550 kW
Dimensions (W x H x D)	1,500 x 770 x 1,850 mm
Weight (empty)	650 kg

The benefits of the R600 boiler

This new generation of gas condensing boilers has been developed especially for greater performance requirements in commerce, industry and municipal housing. With heat ex- changers made from stainless steel and the patented com- bustion engineering, the R600 provides for minimal erosion and a consistently high degree of efficiency and modulation. At the same time, the normal supply level is 110.4 %, meaning efficient and environmentally-friendly energy production whilst emitting extremely few pollutants.



"Sheraton Hotel & Thon Hotel" in the Manhattan Center in Brussels

Both hotels have central locations in the heart of the Belgian capital. Directly across from the most vital shopping quarter Rue Neuve, the old town with the Grand Place is only five minutes by foot. The hotels offer all services and amenities that one would expect from a first-class establishment. The experienced and attentive hotel staff tend to their guests at all hours and ensure maximum comfort. The R600 provides the adequate heating comfort.

Rendamax HEATNOLOGY