

# Villa Castagnola Hotel

Lugano, Switzerland

## The Villa Castagnola in Lugano is one of Switzerland's most renowned five-star hotels.

Situated on the shore of Lago Maggiore, the venue boasts an impressive garden with subtropical plants and a charming structure. When the hotel's boiler room had to be revamped, two TRIGON® XL gas boilers made the cut.

### The challenge

Being a historic hotel, the Villa Castagnola still uses a great many cast-iron radiators, which necessitates high flow temperatures. The old setup with four 250kW gas boilers had to be replaced as smoothly as possible to avoid any disturbance to the guests. Therefore, the project was executed in two consecutive years, each time replacing two old boilers with a new one.

### Comment

Five-star hospitality demands reliability and quality, which ELCO can provide.

- ▶ Unique heat exchanger with HEX<sup>3</sup> geometry for class leading NOx and CO emissions
- ▶ Extremely high efficiency
- ▶ Robust stainless steel heat exchanger
- ▶ Low water content boiler
- ▶ Compact dimensions
- ▶ Can be easily dismantled and reassembled onsite

### Featured products:



### The TRIGON® XL represents a significant step forward in heating technology.

With extremely flexible configurations, clever design and a range of models available, the boiler is perfect for a variety of commercial applications. Plus, extensive cascade arrangements of up to 8 boilers with a combined output of 4,560kW are possible.

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### The plant scheme

- ▶ TRIGON® XL 500
- ▶ TRIGON® XL 570
- ▶ REMOCON NET

### A complete service

In 2020, Villa Castagnola implemented an ambitious remodeling of its entire heating system to lower CO<sub>2</sub> emissions and fossil fuel usage. Due to the cast-iron radiators, the hotel is still reliant on gas to provide heating. Using ELCO's advanced, low-emission boilers, the CO<sub>2</sub> footprint could be substantially lowered.

### The ELCO solution

The cascade with one TRIGON® XL 500 and one TRIGON® XL 570 supplies heat for the entire hotel. The new boilers were connected to the existing setup in the boiler room. Enough heat can be generated even with just one boiler running. Hot water is generated using a separate heat pump.

### Benefits

#### TRIGON® XL 500

