



### Novotel – Porte d’Asnières, Paris

Novotel was the first to introduce the concept of a modern hotel chain in France. Nowadays, 370 Novotel hotels throughout the world welcome customers with quality service, space, comfort and wellbeing. The Novotel brand guarantees quality for its guests in easy-to-live-in hotels. The Novotel chain is part of the Accor Group. September 2002 saw the opening of a new hotel with 138 rooms located in the western approaches to Paris. An air-conditioned restaurant, Le Dickens, and a bar, Le Verlaine, pamper their customers with a brasserie type of cuisine.

### Project Description

Already in the design phase, Novotel’s main concern was to offer their customers a relaxing and quiet stay in a comfortable hotel environment. The kitchen area was located in the first floor of the hotel building with the extractor on the hotel’s roof, 30 meters up. There was a risk that the extraction system would generate harmful noise in the hotel rooms situated above the kitchen area, if the air flows were too high.

### Halton Solution

Halton collaborated on the Novotel project with JME Ingénierie and Thermie Sologne. The Halton kitchen ventilation design is based on the kitchen’s heat loads. The most efficient and convenient solution for Novotel’s kitchen configuration and needs was defined by using Halton HELP software for optimal air flow calculations and hood selection. After installing the Halton Capture Jet canopy KVF and supply air, the air flows were 30 % lower than conventional exhaust systems with improved efficiency. This contributes not only to reducing the noise hazard but also to saving energy. In addition, the payback time of the initial investment is faster.

**We Care for Indoor Air**

