



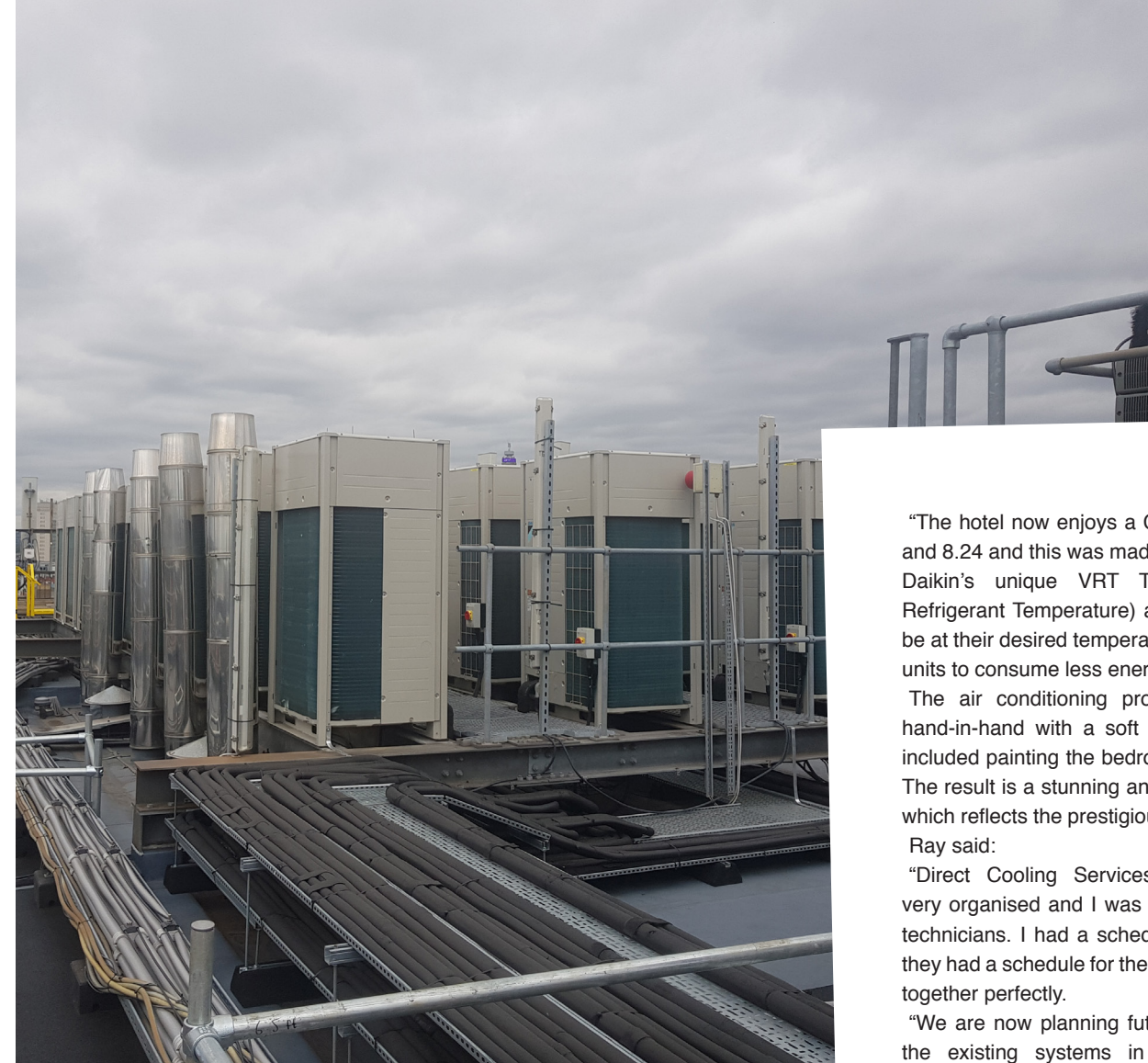
Direct Cooling Services London Ltd

at The Cavendish Hotel

Based in Rayleigh, Essex, Direct Cooling Services London Ltd specialise in the design, installation and maintenance of cooling services, with a specific focus on delivering works within the hospitality industry. The company has been in operation for more than 21 years and has the capabilities to provide full air conditioning, ventilation, heating and control systems (BMS) where required.

Over the years, Direct Cooling Services London Ltd has built up a strong portfolio of projects, boasting some of the biggest names in the industry. From restaurants to hotels and more, Direct Cooling Services London Ltd provides a tried and trusted service that is second to none.

One of the company's largest clients is Citadines – part of the Ascott group – where Direct Cooling Services London Ltd has recently provided services to meet the hotelier's needs, including the replacement of the air conditioning system at the 230-bedroom Cavendish Hotel. The existing ventilation system at the Cavendish Hotel was in need of an update, in order to provide a more comfortable environment for guests.



Work began on the project in late 2017 and was completed ahead of schedule at the beginning of 2018. As all work was undertaken while the hotel remained open the project team had to work around the logistics of the hotel.

Martin Ball, Direct Cooling Services London Ltd, commented: "The original equipment at the hotel was Daikin VRV II (R407c), which was 15 years old. We calculated the COP (Coefficient of Performance) to be around 2.50 or less on these systems.

"With careful planning my team was able to increase the capacity of the systems by 15% and change 230 indoor units and 230 BS boxes with minimal disruption on the live hotel."

Ray Klova is the chief engineer for the Cavendish Hotel. Direct Cooling Services London Ltd worked closely with Ray to deliver this project.

Speaking to Premier Hospitality, Ray said:

"The system that was in place at the Cavendish Hotel was in need of updating. It was an old system and every summer and winter we would struggle, so we replaced all of the VRV systems, including new fan units on all of the floors.

"In total, Direct Cooling Services London Ltd completed 230 bedrooms and one office – so it was a big job."

After the installation Direct Cooling Services London Ltd monitored the energy usage of the hotel and found they had saved around 60-70% on electricity consumption allowing the hotel to enjoy a high payback on the equipment installed.

Martin said:

"The hotel now enjoys a COP of between 5.66 and 8.24 and this was made possible by utilising Daikin's unique VRT Technology (Variable Refrigerant Temperature) allowing the rooms to be at their desired temperatures and the outdoor units to consume less energy."

The air conditioning project was conducted hand-in-hand with a soft refurbishment, which included painting the bedrooms and bathrooms. The result is a stunning and comfortable update which reflects the prestigious nature of the hotel. Ray said:

"Direct Cooling Services London Ltd were very organised and I was very happy with their technicians. I had a schedule for my team and they had a schedule for their team and it all came together perfectly.

"We are now planning future works to replace the existing systems in our lounge, which hopefully Direct Cooling Services London Ltd will be a part of."

Additional projects undertaken by Direct Cooling Services London Ltd have included the ten-floor North House, home to a branch of the Royal Bank of Scotland; a Furniture Barn store in Essex; and Novotel Heathrow for the Nine Group, installing a full air conditioning system throughout.

For further information about Direct Cooling Services London Ltd, please visit: www.directcoolingservicesuk-essex.co.uk.

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