



# VERITAS NEW OFFICES DUBLIN

» FLÄKT WOODS PROVIDES VENTILATION EQUIPMENT  
FOR VERITAS OFFICES DUBLIN

## PROJECT FACTS

### Location:

Dublin, Ireland

### Application Segment:

Offices

### Completion Date:

2016

### Project Details:

Refurbishment, 5 000 m<sup>2</sup> total area,  
2 floors

### Project Team:

Customer: Veritas

Consultant: Ethos Engineering Ltd

Contractor: FKM Engineering

Architect: Henry J Lyons

HVAC Supplier: Fläkt Woods Ireland Ltd

**Fläkt Woods, a leading manufacturer and supplier of air movement technology, has recently designed, supplied and installed the ventilation, heating, cooling and building management systems at Veritas' newest building in Dublin, Ireland.**

Veritas Software Corporation is an international software company that was founded in 1983 as Tolerant Systems and renamed Veritas Software Corporation in 1989. Veritas provide quality high storage management and backup software within the data management industry.

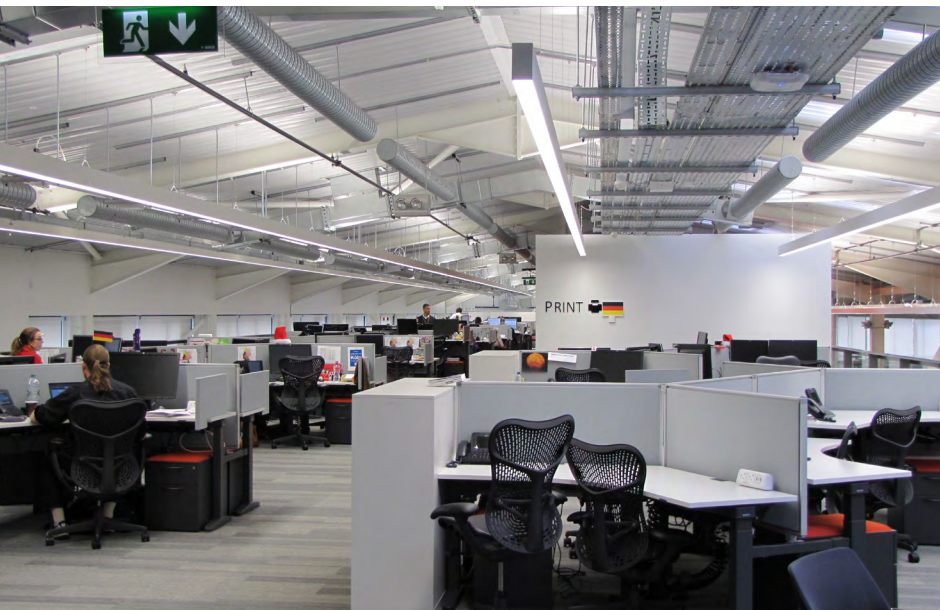
Gavin Power, Sales Manager for Fläkt Woods Ireland stated, 'It was an interesting proposition for Fläkt Woods to be able to support the Architect, Consulting Engineer and Contractor with a bespoke Design and Build Solution meeting the needs of the design team and most importantly the end client Veritas. It was essential that we worked alongside the full design team at every stage of the construction process ensuring the installation ran smoothly and the goal of providing a fully integrated, energy efficient and superior indoor air climate for the building was achieved'.

The new premises for Veritas, a retrofit of an existing building covering approximately 5,000 square metres and accommodation for at least 300 staff, meant that an excellent indoor air climate was critical to the clients' requirements. Reports show that poor ventilation can lead to fatigue and 'sick building syndrome' which creates problems for human health and can also significantly affect staff productively. The new Fläkt Woods Acti/Dirivent system was purposely designed with fresh air detracting from the traditional recirculation air solutions to create a comfortable and fresh environment.

Fläkt Woods supplied 10 eQ Master Air Handling Units (AHU) fully fitted with factory mounted controls, 2 Air Cooled Chillers, Activent diffusers, Dirivent jet nozzles, ducting distribution system, Kitchen extract fans and the overall Building Management System (BMS) providing integrated control for the entire system.

**FläktWoods**





## KEY PRODUCTS SUPPLIED BY FLÄKT WOODS



### 10 eQ Master Air Handling Unit

- Total airflow of 47 m<sup>3</sup>/s  
(169,200 m<sup>3</sup>/h)



### 2 Air Cooled Chillers

- 800 KW each



### Air Diffusion

- Acti/Dirivent Systems



### Controls

- Full BMS controls

Those working in the office should have a **sense of wellbeing**, which is why indoor lighting, solar protection and **good ventilation have been assigned high priority.**

The Fläkt Woods eQ Master air handling units are fitted with Semco thermal wheels providing up to 77% temperature and 75% humidity efficiencies. By utilising this type of total heat recovery device, we reduced the load on the building in both winter time and summer time, recovering thermal energy from the exhaust air stream during the heating season and dehumidifying the fresh air before coming into contact with the cooling coils during the hot summer season. This allowed the client to utilise smaller boilers and air cooled chillers, reducing capital cost and maximising the overall efficiency of the heating, ventilation and air condition (HVAC) systems on the building.

Consultant Derek Hayden from Ethos Engineering Ltd goes on to say 'The design brief from our client was to provide a very low terminal velocity system with no draught nuisance, tight temperature control and high energy efficiency. Additionally for aesthetic reasons, the project architect did not want to see any mechanical services below the structural steels of the building. After researching numerous HVAC systems, the Fläkt Woods ACTIVENT (low level areas) and Hybrid ACTI/DIRIVENT (high bay) systems were eventually chosen by Ethos Engineering.

The Fläkt Woods team led by Gavin Power provided excellent support design services for their patent ACTI/DIRIVENT Systems and co-ordinated efficiently with the design and construction teams. Furthermore, the Fläkt Woods team were always proactive and available when their valuable technical support was required. The end product for our client exceeded the initial project brief on all fronts including on time and on budget. I would highly recommend Fläkt Woods and their ACTI/DIRIVENT design solution for similar projects."

During the design process Fläkt Woods were able to provide in-depth design calculations and drawings, reliable reports and delivered all their products on time, which was an important factor when maintaining the tight schedule of just 4 months from breaking ground to full client handover.

Full turnkey projects are an added feature to the Fläkt Woods offering, providing full client support throughout the design and build process, making Fläkt Woods your perfect partner.

#### For information

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Based on our e<sup>3</sup> concept, we provide innovative and sustainable products to help you achieve or surpass your environmental targets whilst optimising your investment and Life Cycle Cost. [www.flaktwoods.ie](http://www.flaktwoods.ie)

