

## *Ventilation solutions for Dubai International Financial Centre*



Fläkt Woods has supplied the ventilation solutions to one of the middle east's most prestigious buildings, the Dubai International Financial Centre (DIFC) headquarters building, The Gate.

### ■ FACTS

**Customer:**

Dubai International Financial Centre,  
United Arab Emirates.

**Need:**

Efficient car park ventilation solutions  
for approximately 1,500 cars.

**Solution:**

Fläkt Woods renowned JM Axijet  
Jet Thrust Fan System.



# Fläkt Woods offer focused solutions for every application

Fläkt Woods is a leading supplier of fans to some specialist applications such as car parks, pulp and paper manufacturers, mechanical vapour compression in evaporation and distillation processes, textile machinery and glass process manufacture.

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## JM Axijet

Fläkt Woods' renowned JM Axijet Jet Thrust Fan system provided the ventilation solutions to the enclosed three storey basement car parks for approximately 1,500 cars.

Each level is ventilated via a common extract system, with supply air being provided via natural air inlets and the entrance/exit ramp. –

## Ventilation zones

Each car park level was split into a number of ventilation zones. In the general ventilation mode the system is operated according to the detected levels/location of pollution within the car park.

In the emergency/smoke ventilation mode, fire rated dampers close on the non-fire floors with increased extract being provided on the fire floor. Selected Jetfans are operated depending on the location of the fire.

Fläkt Woods knowledge and experience of Car park Jetfoil fan ventilation has now been applied to over 100 off projects

## Fläkt Woods Dubai

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around the world. With Fläkt Woods rapidly becoming an industry leader, offering tailored solutions for projects.

A typical system includes the provision of main extract fans, supply fans (if required), Car Park Jetfoil fans, detection systems for pollution, CFD analysis, and the control equipment. This enables the system to be designed around the specific requirements of the car park and ensures the system operates as designed.

## System Benefits

- Eliminates need for ducting
- Reduced System Resistance
- Space Optimisation
- Reduced Design Time
- Optimised System Design
- Reduced Running Costs
- Tailored Solution

## Car parks

Fläkt Woods innovative car park ventilation system utilises Jetfoil fan technology together with operation of the main ventilation fans, eliminating many of the problems associated with conventional ducted systems.

## Fläkt Woods Group

Fläkt Woods is a global company providing solutions for ventilation and air treatment for buildings as well as fan solutions for Industry and Infrastructure applications.

## Contact information

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