

## DUBAI FESTIVAL CITY ATRIUM & IKEA

Dubai Festival City, Dubai, U.A.E.

### Building Type

Shopping Mall Atrium & IKEA store  
Commercial Facility

### Size:

20,000m<sup>2</sup> Atrium with 18m height  
27,000m<sup>2</sup> IKEA with 20,000 m<sup>2</sup> parking  
16,000m<sup>2</sup> Hyper Panda (shell & core)

### Estimated Construction Cost

AED 350,000,000

### Project Highlights

- CFD analysis done for Atrium optimal airflow.
- Lowest point of site, storm drainage ensured zero rainwater ingress from street level parking entry.
- 12,300 KW cooling from District Cooling Plant source
- Security system BAS & BMS with full central monitoring & control of all MEP systems
- Fast track design & construction. Project completed within 15 months design start to opening

### Architect/Client

Brewer Smith Brewer Gulf  
Al Futtaim & Sons



This facility including Hyper Panda area (shell & core) is one of the leading shopping centres of Dubai catering to a design occupancy, within the atrium, IKEA & Hyper Panda of almost 6,000 people.

Car park ventilated in most economical fashion. All external services including drainage of external car park carried out.

Service Block of 1,100 m<sup>2</sup> to serve the Atrium, IKEA & Hyperpanda.

District Cooling network serves the ETS rooms in Services Block. ETS room by Mario Associates.

Many shops around Atrium provided with MEP services as part of their fitout.

CFD analysis for Atrium air distribution, life safety system (smoke management system) and car park ventilations carried out as part of assignment.

Mario Associates provided the complete design, CFD analysis, installation, supervision of the building services for the total 127,500 m<sup>2</sup> facility which included almost 62,000 m<sup>2</sup> of parking for over 2,200 cars as well as all external services, including storm water management till periphery of all external parking.

