

Solutions & Services for Healthcare issues



Umm Al Quwain General Hospital – Construction Site

In 2009, the Emirate of Umm Al Quwain began the construction of its general hospital, under **Ministry of Public Works** supervision: a gigantic site of 50000 m² with 13 buildings, designed to offer services expected from healthcare institutions. This was an opportunity for Aldes Middle East to demonstrate a **full range of solutions** (in compartmentation, airflow control, sound attenuation and air diffusion) coming along with a full scope of **services**: selection and testing/calculation, non-standards products, short lead time...

Healthcare facilities are one key infrastructure sector addressed by the GCC governments, due to the growing need of efficient care required for all inhabitants. A perfect indoor air quality is mandatory, the building shouldn't be noisy and the infrastructure has to be safe (especially in case of fire emergency).

Aldes ambition is to enhance the **level of safety, indoor air quality** and **thermal comfort** in the Middle East, and especially inside sensitive buildings, such as healthcare facilities.



→ Combination of European & Local Expertise

Stronger with a new 8000m² factory located in Sharjah and its European know-how, Aldes ME managed to highlight to the client (the Ministry of Public Works) its **complete range of solutions** and its **expertise**. Aldes has thus been successfully **listed** by the Ministry of Public Works as a key supplier for HVAC products.

We went beyond our client's requirements by proposing the best and most appropriate solution for each aspect of the project.

Gaëtan Pierrefeu, Managing Director - Aldes Middle East

→ Combination of Manufacture & Service

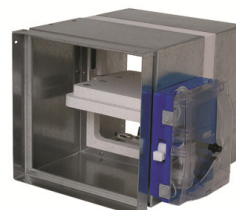
Aldes concern is not only to manufacture good quality products. Its aim is also to provide to its customers the best services to support them in their projects.

* **Fire dampers & Sales support**

Fire safety in healthcare facilities is a key issue as fire represents a serious threat in such sensitive buildings. A special focus has to be made for hotels, hospitals, schools and care homes as the occupants might have limited mobility or the building is not familiar to them. These public buildings are requiring the highest level of safety with efficient compartmentation and smoke extraction

ISONE® fire dampers from Aldes, as per stringent European standards **EN 1366-2**, are ensuring **2 hour fire resistance without any heat transfer and smoke leakage**. This safest solution in the UAE has been installed in Um Al Quwain Hospital, along with curtain fire dampers.

In order to technically support our customers, our Sales team has provided **installation** and **operating** (closing/opening) **details** - especially for ISONE® - and weekly came on site to advise the contractors on the products installation. Aldes ME takes care about the customers **on site**.



Green
Product



*** Airflow control & Calibration**

Throughout its airflow control range of products, Aldes ME supplied VAVs and VCDs for this project.

In-house VAV calibration was conducted with **Sauter controls** to suit the customer's requirements in terms of communication with the building management system (Sauter has provided the BMS for this hospital).



*** Sound attenuators & Delivery**

Thanks to its great flexibility, Aldes ME produced **non-standards** rectangular sound attenuators, which were over 2m long and 2m high – for the generator room. These products are highly efficient at medium and high frequencies.

To meet the client's expectation, Aldes ME defined the right product dimensions, based on our know-how and through our accurate sound attenuator calculator.

For this specific order, Aldes ME **delivered** the sound attenuators in a **2-week time**, while 4 to 6 weeks are usually necessary. Aldes ME does its best to help his customers out with **delivery emergencies** or for any other faced issues.



*** Grilles / diffusers & Selection**

An **accurate and adapted selection** of slot diffusers, swirl diffusers, ceiling diffusers, indoor grilles, and small and constant exhaust grilles has been supplied to our customer to fit the interior design.



Aldes ME solutions in Umm Al Quwain Hospital:

- More than 3000 grilles and diffusers
- Around 1000 fire dampers
- 500 VCD
- 160 VAV
- 90 sound attenuators



Aldes has always focused to bring a **high level of expertise** in fire protection, ventilation and air distribution systems to support our clients and to act as a **reliable supplier fully committed to deliver quality and efficient solutions** from fire dampers, fans, sound attenuators, VAVs... to grilles and diffusers.

Thanks to Aldes France great experience, Aldes ME has been able to become a **strong partner for all MEP contractors** by providing its expertise and supplying high quality solutions in many healthcare facilities all over the UAE and abroad .

Consequently, Aldes ME will continue to provide the best support and solutions to the Gulf market **to enhance Safety, Indoor Air Quality and Thermal Comfort** in every buildings, and especially in sensitive ones (hospitals, hotels, schools...).

A full commitment towards our clients (MoPW), consultants (Hospital Designers & Planners) and contractors (STS Abu Dhabi E/M - BPower) – Aldes & BPower representatives during a site visit in UAQ General Hospital.

