

A European Expertise
in air diffusion
for your buildings





Aldes Group

A global partner close to you and involved in all your projects

- A French manufacturer since 1925 employing more than 1,300 people.
- A HVAC expert present in over 100 countries through a network of 15 subsidiaries and distributors in Europe, Middle East, America, Asia, Africa and Indian Ocean.
- 5 production sites all over the world.

Committed from design to production

An engineering and design approach for all of Aldes products:

- A Research and Development department.
- Development of innovative and integrated products based on market requirement and end-user needs.
- Air Diffusion products designed and tested by Aldes Group in France, then manufactured in Europe and in the Middle East .

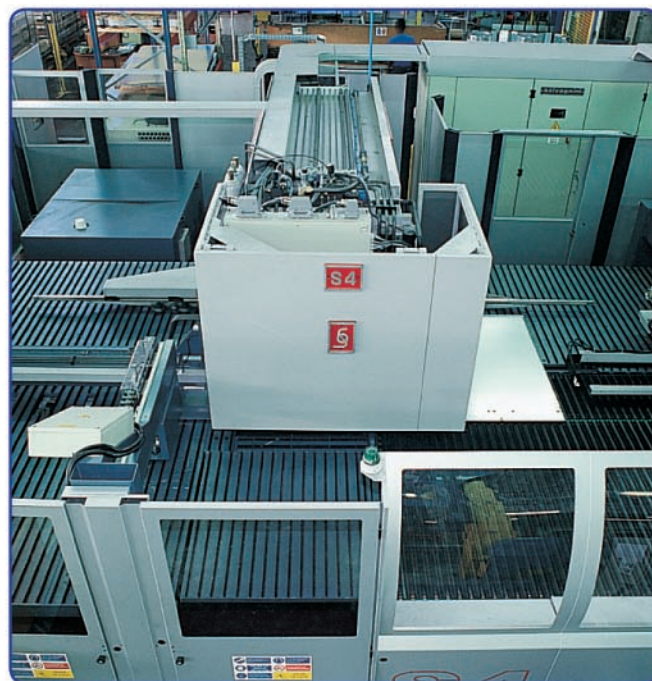
The Aldes testing facilities

A complete range of facilities to carry out real-life test or numerical simulation:

- An air diffusion laboratory.
- A numerical simulation laboratory for CFD analysis.
- An acoustics laboratory.

The power of a manufacturer

- More than 1,000 references of grilles and diffusers.
- More than 10,000 pieces manufactured per week.
- A workshop to design samples to deal with all specific needs.
- 2 productions sites in Europe and in the Middle East.
- A large industrial capacity to meet all kind of projects: 450,000 G&D a year.





Aldes ME

A sustainable group for a sustainable presence in the Middle East

- Based in the UAE for more than 20 years.
- A local manufacturer investing with long term perspectives.
- Manufacturing facilities with European standards and processes.
- A 8,000m² production site and state-of-the-art production facilities.

A large range adapted to all situations

- A perfect match between Aldes products and UAE requirements.
- Grilles and diffusers well adapted in terms of aesthetic design, installation and performance for optimal on-site integration.

Choose a product suitable for your project

An accurate selection of the right product according to all the airflow parameters.

*General Catalogue

For an overview of Aldes ME offer and general product selection.

*KOANDA Software

For a right choice on air diffusion products:

- User-friendly selection.
- Print out of a detailed data sheet with airflow and sound pressure level data.

Aldes invents, designs and manufactures innovative products to improve Indoor Air Quality and Comfort inside buildings in every countries.



Committed from D

To ensure both a proper IAQ and air renewal with thermal comfort, allowing a well-being for people inside any specific building.

Technical expertise:

- An efficient R&D department working as per EN standards.
- An air diffusion laboratory with use of numerical simulation.
- Customized studies and products offer.



An Air Diffusion laboratory

To ensure a perfect application and integration of Aldes products to any specific facility configurations with an aesthetic design.

Testing:

- Product characterization: airflow, final air velocity, jet throw, pressure drop, deflection...
- Simulation of real-life condition parameters.

Methods:

- Airflow visualization: smoke and/or laser.
- Mapping of the room to measure air velocity, ambient & wall temperatures...

“A multi-purpose laboratory for product and real-life condition tests”



An Acoustic laboratory

To achieve a noise comfort & well-being for people in their environment by designing Aldes products through acoustical considerations.

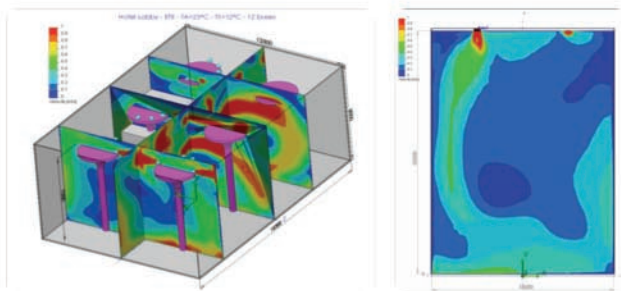
Testing:

- Sound power level (SPL) measurements for any products: grilles and diffusers, constant airflow regulators, dampers, louvres, fans, CVC units...
- Sound attenuation measurements for external noise alleviation.

“An acoustic laboratory to ensure an acoustical characterization of our grilles & diffusers”

Design to Production

Thermal, aerodynamic and noise comfort
in building facilities.



A Numerical Simulation laboratory

Numerical simulation based on CFD analysis to determine or validate the right products to the right locations for any specific applications and facility configurations.

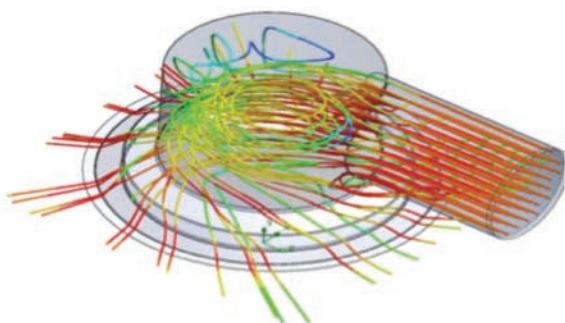
Software: SolidWorks 3D - FloWorks

Testing:

- simulation of real-life condition parameters for any specific facilities
- performance assessment of new products using powerful computers
- analysis of any potential problems occurring after on-site installation

CFD analysis through pictures and/or movies showing 2D or 3D airflow patterns, velocity and temperature distributions across any specific facilities.

**“An advanced technical support available
for any MEP consultants in the Middle East”**



Twisted swirl diffuser - 3D animated visualization



Aldes ME, a local partner with a high reaction capacity



Aldes has human and technical resources to answer your needs:

- A pro-active sales team available at your disposal, with a full technical support.
- Local supplier with offices and representatives in all the Middle East.
- A 8,000m² production site and state-of-the-art production facilities.
- Production of 100,000 pieces per year
- A high capacity and reactivity to cater any customers needs



Aldes have more than 100 models of grilles and diffusers to meet all needs

Trust Aldes to deal with your project: customized solutions
for your needs and for your satisfaction.



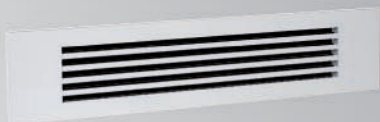
Indoor Grilles



Ceiling Diffusers



Jet Diffusers



Slot Diffusers



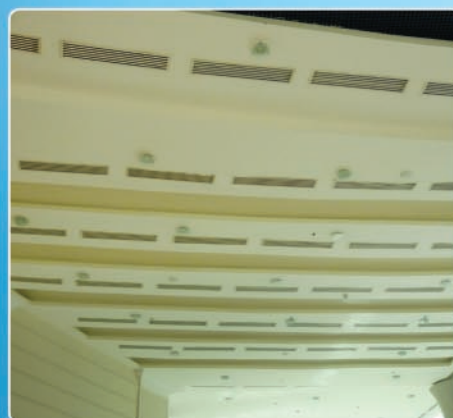
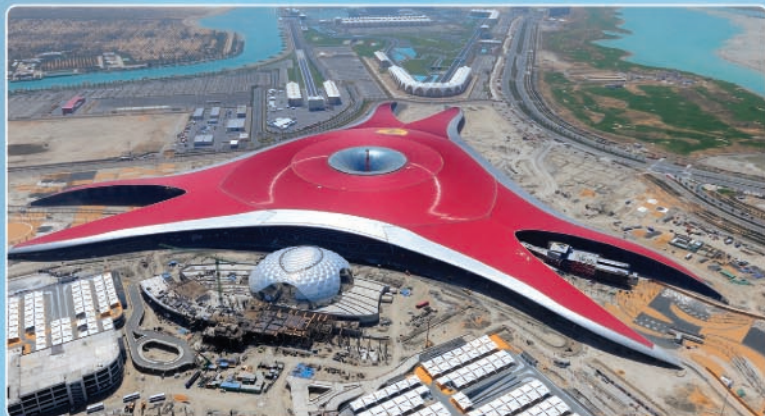
Swirl Diffusers



Multi Slot Diffusers



Aldes gives air to your most prestigious projects



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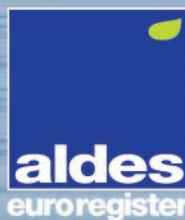
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