



Creating a new sky



BEST CASES  
STUDIES

## ZONAIR3D

Zonair3D™ was set up in Barcelona in 2006 to create **pure air anywhere, become a lung for our cities** and improve people's quality of life.

It all started with a bubble, our **Bubble Pure Air™**, a **unique** and iconic product by Zonair3D™. Our entire range of products is based on Bubble Pure Air™, the first portable space in which you can breathe ISO5-certified pure air, meaning that Bubble Pure Air™ can be used as a field operating theatre.

**We are passionate about creating pure air and improving quality of life;** from schools to offices and industry to public spaces, such as shopping centres, cinemas, car parks, swimming pools and, naturally, our homes. Zonair3D™ has designed a range of products tailored to suit every need.

In this document, you will find some of the main projects performed.

## BENEFITS

- Guarantees a **space free of pollutants, allergic agents, and bacteriological**
- **Reduces gas pollutants' dispersion** generated by materials and cleaning products
- **Eliminates odours**

## SPORTS

- **Enhances the antioxidative mechanisms** in the body when doing physical exercise
- **Decreases the rate of acid lactic (22%) and glycaemia (10%)**
- **Maximizes the results** thanks to the anti-inflammatory effect of pure air
- Improves **physical and mental oxygenation**  
Faster recovery and more efficient training

## BEAUTY CENTERS

- Natural **purification, hydration, anti-aging treatment**, and enhancement of treatments
- **Sanctuary** concept
- **Optimal relaxation**

## HEALTH

- **Decreases the consequences** associated with **respiratory illnesses** (asthma & allergies)
- Regenerates **respiratory path**
- **Revitalizes the natural mechanisms** for eliminating toxins and dead cells

**APPLICATIONS:** massage cabin, wellness and relaxation, beauty treatment and cabin, spinning room, yoga room, etc.



# 2

## OFFICES

According to the **WHO**, **pollution** in an **office** can be up to **5 times worse** than that to be found **outdoors**. It is **invisible pollution** (ultrafine particles) but they are the most dangerous particles for health. Employees in an office are exposed to emissions coming from outdoors and indoors: laminated products, paints, computers, printers, cleaning products...

**Clean air** does not only **reduce costs** -by minimizing sick leaves- and **increases benefits**, but has a very **positive impact** on employees' **health**, being them the total human value of a firm.

And it is human's health where ZONAIR3D™'s products are focused on. Zonair3D™ offers a **wide range of solutions** for any space, allowing the **best air quality** with a 99.995% pure air, free from contaminating particulate, and with gaseous pollutants reduced to levels of comfort.

### HEALTH BENEFITS

- Guarantees a space **free of pollutants**, allergic agents and bacteriological
- **Reduces gas pollutants'** dispersion generated by materials and cleaning products
- **Decreases the consequences** associated to **respiratory illnesses**
- **Regenerates respiratory path**
- **Revitalizes the natural mechanisms** for eliminating toxins and dead cells

### PRODUCTIVITY BENEFITS

- **Positive impact on productivity and well-being** like less headaches and eye irritations, and thus, absenteeism decreases
- **Reduces** the number of **sick leaves** when contagion via air
- **Increases** profitability as **employees** do less breaks and are **more concentrated**
- Creates an **attractive working atmosphere** free of pollutants

**APPLICATIONS:** offices, meeting rooms, open spaces, canteen, laboratories, etc.



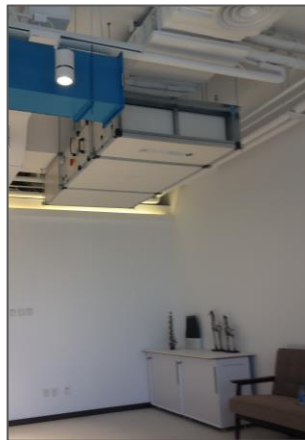
## FOSTER BUILDING OFFICES (Santiago de Chile)

- OBJECTIVE: Guarantee a work space free from pollutants, allergenic and bacteriological pollutants.
- TECHNOLOGY:
  - 48 units AIR PRO 500 → 10.000 m<sup>2</sup>
  - Basement + 17 floors
  - 576.000 m<sup>3</sup> of PURE AIR are thrown into the atmosphere every day



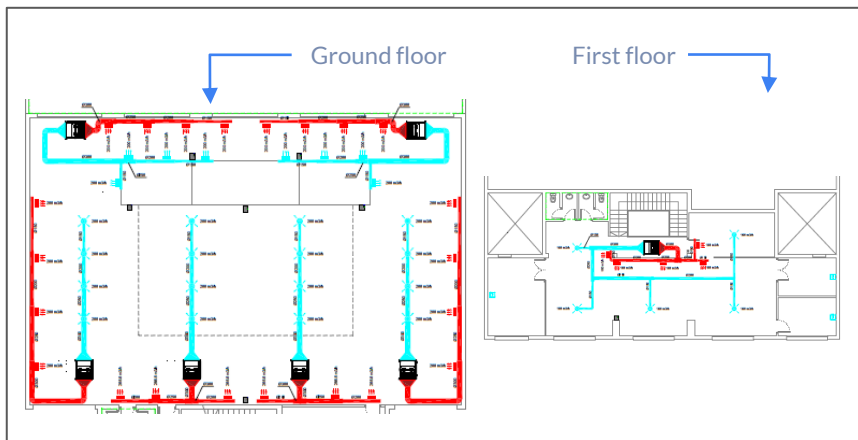
## HW SPACES & HAWORTH Offices (Beijing & Shanghai)

- TECHNOLOGY Shanghai offices:  
1 unit AIR PRO 500 → 55m<sup>2</sup>
- TECHNOLOGY Beijing offices:  
2 units AIR PRO 500 and 1 unit AIR  
PRO 800 → 200m<sup>2</sup>



## ETRA AIR offices (Boadilla del Monte - Madrid)

- OBJECTIVE: Guarantee a work and research space with the guarantee of having an optimal air quality.
- TECNOLOGY: 7 units of AIR PRO 800 and 5 units of AIR PRO 300 → 596 m<sup>2</sup>
- 56,800 m<sup>3</sup> of PURE AIR are thrown into the atmosphere every day



## RENFE, TRAM (Barcelona)

- RENFE:

TECHNOLOGY: 20 uds AIR+ 300S offices (several departments)

- TRAM:

TECHNOLOGY: 14 uds AIR+ 300S offices (several departments)





## LA CAIXA (La Palma, Valencia, Barcelona & Madrid)

- TECHNOLOGY: AIR+ 300S & 430S offices (several departments)



# 3

## TEACHING

A study published in 2016 by Neuroimage states that cognitive development and brain maturity are closely related to the air that we breathe.

**Removing up to 99.995 % PM  $\geq$  0.2  $\mu$ m particles provides spaces free from bacteria and allergenic agents. This improves school outcomes and reduces the risk for children and the elderly of suffering from any respiratory disease.**

### HEALTH BENEFITS

- Guarantees a space free of pollutants, allergic agents and bacteriological
- Reduces gas pollutants' dispersion generated by materials and cleaning products. Children are the most vulnerable to pollution. The less exposure, the less damage
- Decreases the consequences associated to respiratory illnesses such as asthma and allergies
- Regenerates respiratory path
- Revitalizes the natural mechanisms for eliminating toxins and dead cells

### PERFORMANCE BENEFITS

- Improves cognitive development and brain maturity (Neuroimage study, 2016 says are closely related to the air that we breathe)
- Children are more concentrated and focused
- Reduces school absenteeism due to health issues
- Improves the physical development of children. Tied to learning outcomes and student success

**APPLICATIONS:** Kindergartens, schools, libraries, auditoriums, after school activities...



**Indoor pollution** is the result of the **combination of physical, chemical and biological factors**, as well as specific ventilation criteria. They come from external pollution, but also biogenic emissions as a result of the human activities carried out inside, ventilation and air conditioning systems, as well as cleaning products, materials and furniture in the building.

#### ECONOMIC BENEFITS:

- **Positive impact on productivity** and well-being as employees have less headaches and eye irritations, and thus, absenteeism decreases
- **Reduces** the number of **sick leaves** when contagion via air
- **Increases benefits** as it reduces fatigue and exhaustion
- Increases profitability as **employees** do less breaks and **are more concentrated**
- Creates an **attractive working atmosphere** and employees are proud and happy  
If employees' wage depend on productivity, their revenues will increase
- **Improves client perception** and increases "**willingness to pay more**" for receiving the same
- **Covid-free sanctuaries** : offer secure and safe experiences so clients willing to stay longer and pay more for the same services

#### NON-ECONOMIC BENEFITS

- Guarantees a **space free of pollutants, allergic agents and bacteriological**
- **Reduces gas pollutants' dispersion** generated by materials and cleaning products
- Companies stand out and **attract qualified talent**
- Companies play a **pioneer role in "anticipating and preventing"** risks associated to **epidemiological pandemics**
- Employees appreciate the investment done by the enterprise, and become more loyal and devoted to the company

**APPLICATIONS:** High performance rooms, suites, lobby, restaurant, wellness area, meeting rooms...



## CARTIER (Beijing, Shanghai & Hong Kong)

### TECHNOLOGY:

- Beijing store, 3 units AIR PRO 1100
- Shanghai store, 7 units AIR PRO 1100
- Hong Kong, 5 units AIR PRO 500



## PUIG olfactive rooms (Barcelona & Paris)

OBJECTIVE: Perfume testing development: Any odor should be removed almost automatically

TECHONOLOGY:

- 2 units AIR PRO 800 → 2,5 m3 for 2 olfactive rooms (Paris)
- 2 units AIR PRO 800 → 2,5 m3 for 2 olfactive rooms (Barcelona)



## AMB Bus Metropolità (Barcelona)

OBJECTIVE: Guarantee space free of pollutants

TECHONLOGY:

- 1 unit of AIR PRO 300 → 22m<sup>2</sup>  
(trial version cleaning service)



## CAF (Madrid)

OBJECTIVE: Guarantee of pure air inside

TECHONOLOGY:

- 3 units of AIR + 600 → 50 m<sup>2</sup> (trial version cleaning service)



## DOCTORS

“The effects of pure air in asthma sufferers with or without rhinitis show an objective improvement in the spirometry testing..»



**DR. ANNA CISTERÓ**

Head of the Unit of Allergology and Pulmonology in USP. Member of the Spanish Society of Allergy and Immunology of the European Academy of Allergy.

«In medical terms, we observe the benefits of pure air in the reduction of the lactic acid level in and the glycaemia in . We are performing a more healthy exercise.»



**DR. ÁNGEL RUIZ**

**COTORRO**

Chef of the Medical Staff (Spanish Tennis Federation)  
Director of Clínica Mapfre de Medicina del Tenis

“Patients suffering multiple chemical sensitivity who have undergone several continuous sessions with pure air, show an important decrease of their symptoms”



**DR. ANTONIO**

**FERNÁNDEZ- SOLÁ**

Founding Member and Coordinator for Spain of the European Fatigue Research Group EUROMENE.

## SPORTSMEN

“I would like to thank BUBBLE | PURE AIR for letting me be able to recover in the pure air bubble, which has helped me a lot» (Davis Cup Final 2011).



**RAFAEL NADAL**

Professional Tennis Player

“When I train to breathe pure air I feel that I get less tired and that I can breathe much better. Associated to sports, it is a revolutionary technology but its benefits go beyond, because they are connected to human health”.



**CONCHITA MARTINEZ**

Ex-Tennis Professional Player

“When I train to breathe pure air I feel less tired, I recover faster and also perform more during the training and during the competitions”.



**ALEX MUMBRÚ**

Basketball professional player  
Gescrap bizkaia Bilbao basket



## ARCHITECTS

“P.A.C is certainly the CONTRIBUTION to the new generation architecture. It is the solution to the atmospheric pollution, which after years of research eventually integrates the health concept to the sustainability and energetic efficiency.»



**ATELIERS RIBAS & RIBAS  
AND JEAN NOUVEL**  
Architects

«In this sense the contribution of Pure Air is essential because of its consequences in the air quality and therefore the behavior of users and inhabitants of those buildings where fortunately, we can already apply this important innovation.”



**LUIS ALONSO**  
Architect Founder of Alonso,  
Balaguer y Arquitectos Asociados

«PURE AIR CONTROL is a revolutionary breakthrough for the architecture. It means the solution to the effects of pollution in indoor spaces, allowing us to provide the best air quality and, therefore, offering wellness and health to people in all our projects»



**SERGI BALAGUER**  
Architect Founder of Alonso,  
Balaguer y Arquitectos Asociados

## DOCTORS

“The binomial university - enterprise is key, allows us to provide real solutions to the problems of pollution. Companies must be willing to provide data on yields of their products and ensure no air disturbance”



**DR. XAVIER ROCA**  
Technical Director of the  
Laboratorio del Centro de Medio  
Ambiente from Politecnic  
University of Catalonia

«The economic miracle that China has created over the past 30 years is obtained at the expense of the environment. However, now China pursues quality rather than the quantity of economic development. I believe Zonair3d air purification system will produce great value to improve the living environment in China.»



**Dr. Hou De Qian**  
Architect



[www.zonair3d.org](http://www.zonair3d.org)

[zonair3d@zonair3d.org](mailto:zonair3d@zonair3d.org)