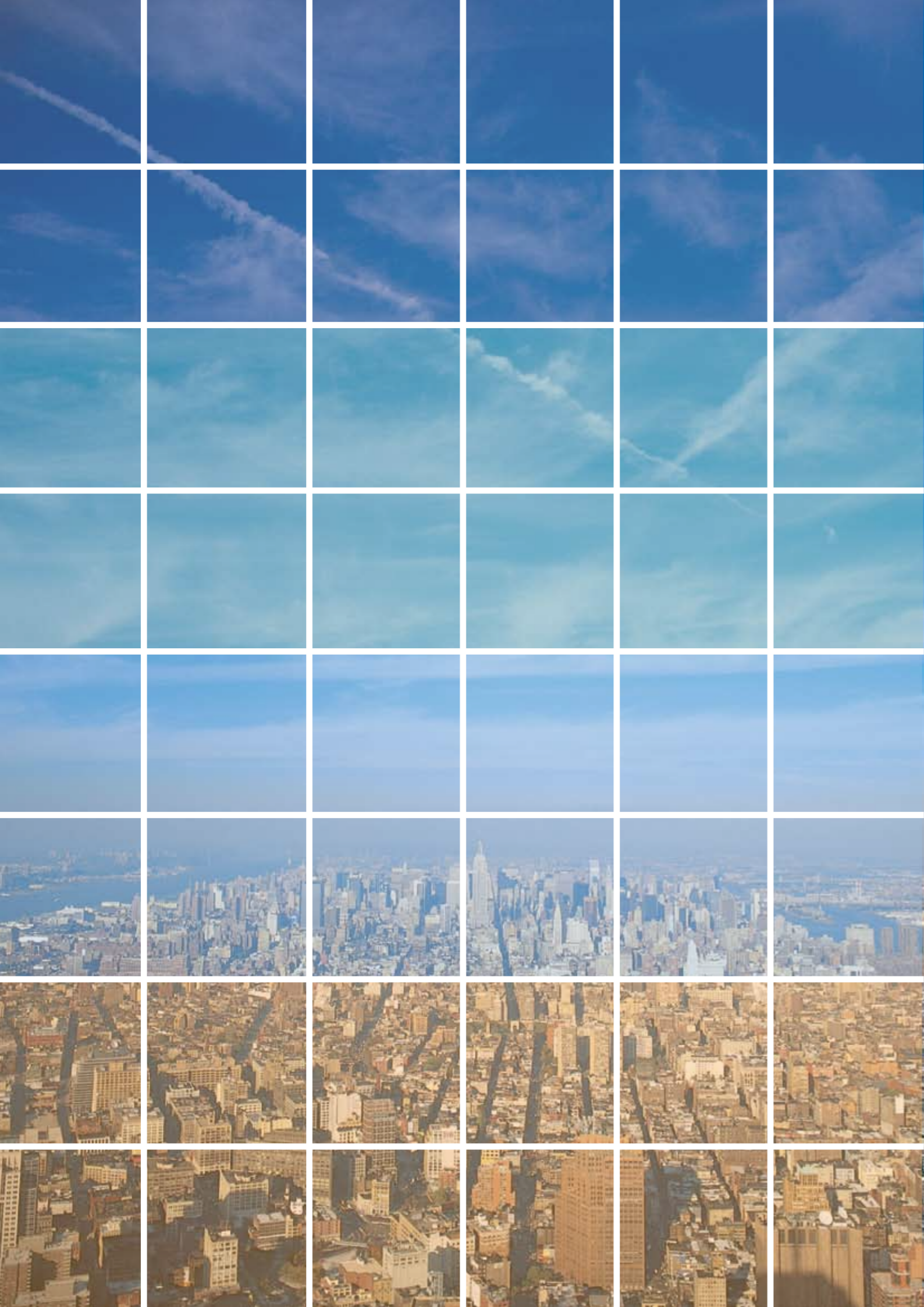


**WLP**

DUST AND ODOUR  
SUPPRESSION SYSTEMS



	<p><b>nice to meet you:</b> the company</p>
	<p><b>power of simplicity:</b> functional convenience</p>
	<p><b>living better:</b> WLP improves the quality of your life</p>
	<p><b>working better:</b> WLP improves the quality of your work</p>

# WLP is in the air...

## the solution to all problems



Dusts of siliceous origin produced in a variety of sectors can be extremely hazardous both for the environment - because they increase pollution - and for human health and business productivity, as they affect working conditions and raise machinery maintenance costs. The only method known until now to suppress dust and odours was to spray water in the working areas concerned. **WLP** knows just how costly this solution can be for companies: high water consumption, muddy surfaces that make work difficult, runoff phenomena, etc.

With this in mind, **WLP** has examined and studied how nature reduces dust, and has applied this know-how to cutting-edge machinery designed with the utmost respect for the environment, people and work.

**WLP** provides solutions to optimise company resources and to improve the quality of life and work. **WLP** began by seeking a solution to the problems caused by dust and odours, modifying their machinery so as to improve air quality in areas affected by strong fumes and to increase visibility.



### ■ Production.

**WLP** uses a simple mechanism, based on the study of weather conditions and the optimisation of its efficacy using cutting-edge technologies. This system can definitely solve the problem of dust and odour suppression at low costs and with no need for complicated plants.

The Dust Suppression System uses "micro-drop guns" consisting of powerful fans that can nebulise water and spread it a considerable distance from the emission point. The Odour Suppression System works on the same principle, where special enzymes are added to the nebulised water to help suppress odours and speed up the decomposition processes.

This adaptability shows how flexible **WLP** Systems are and that they are always open to new applications.



#### ■ How WLP works.

WLP's machines can be installed in two ways:

1. **Single Gun**, simply connected to the hydraulic network (minimum pressure of 2.5-3 bar per machine) and to the power network (from 3 to 15 kW per machine).

2. **Complete System** to suppress dust and odours, consisting of:

- Pumping station.
- Water distribution system.
- Electrical power distribution system.
- Data transmission lines.
- Monitoring, control and programming unit.
- Field sensors.

A **Complete System** allows for independent management of the dust and odour suppression system and supports the monitoring of the building site and the machines working there.

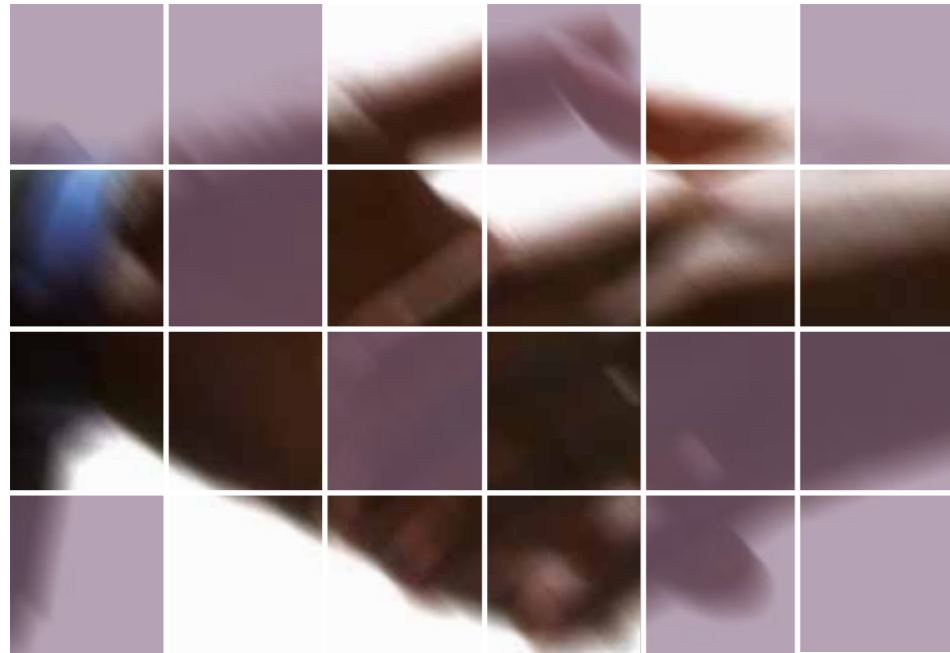
#### ■ Customised solutions.

WLP's technicians can design customised solutions to meet all customers' needs.

Before installing a WLP System, a thorough survey is carried out in the area concerned. Following the analysis of the kind of activity, quantity and proportion of existing dusts, type of odour, exposure and processes, a number of installations that faithfully reflect the actual conditions hypotheses are presented. An analysis of the working area makes it possible to define how many guns are necessary, their position and the appropriate level of spraying.



# nice to meet you: the company



## Experience and research against dust and odours.

### WLP About Us.

WLP is a dynamic, flexible, constantly evolving and expanding company. The experience gained in the field of environmental engineering led to the idea of designing systems to definitely solve the problem of dust and odours in the air.

Working with WLP guarantees a dynamic business and high-quality products.

#### ■ Suppression of dust and odours.

Design and production of tools aimed at improving the quality of life and work in environments where particular problems are evident.

#### ■ Systems.

Complete systems to suppress dust and odours.

#### ■ Mission

WLP's company mission consists of designing, building and selling machines and systems to suppress dust and odours, i.e. to provide customers with the ideal solution for building sites and installations in full compliance with the new regulations in force worldwide regarding the restriction of emissions.

#### ■ Vision

As a result of the new regulations in force, the request for machinery to suppress dust and odours is increasing rapidly in a variety of sectors.

Thus, the future will see a rise in sales of stand-alone machines, and especially of comprehensive systems comprising not only guns, but also pumping stations, meteorological monitoring stations that allow for fully automatic functioning of machines, electric and hydraulic lines.

On this basis, WLP proves to be a reliable and effective partner for customers. Environmental management is increasingly crucial and unavoidable in all activities, making WLP an indispensable strategic partner in building systems to suppress dust and odours.



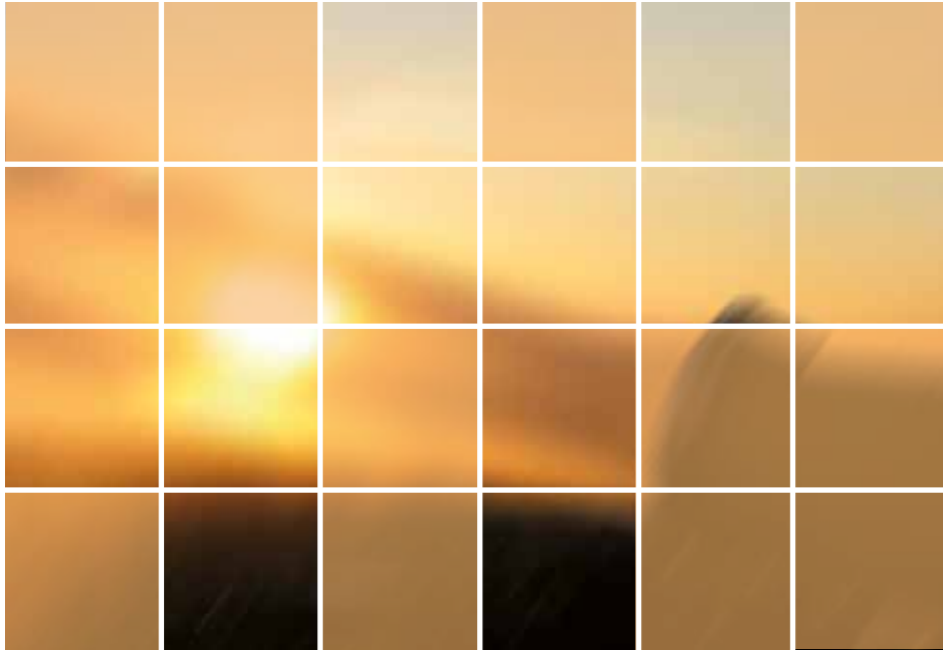
#### ■ Nature's lessons are enhanced by technology.

Very often it is nature that shows us how and where to find the solutions to our problems. WLP's strength lies in its ability to observe and understand the natural mechanism to dispose of dust.

WLP's machines are based on this analysis: nozzles are used to produce tiny drops that collide with dust particles, incorporate them and make them drop to the ground, thus favouring their disposal in a completely natural way.



# power of simplicity: functional convenience



■ **WLP makes your work easier.**

**WLP** systems are extremely easy to install, as they require no special infrastructure.

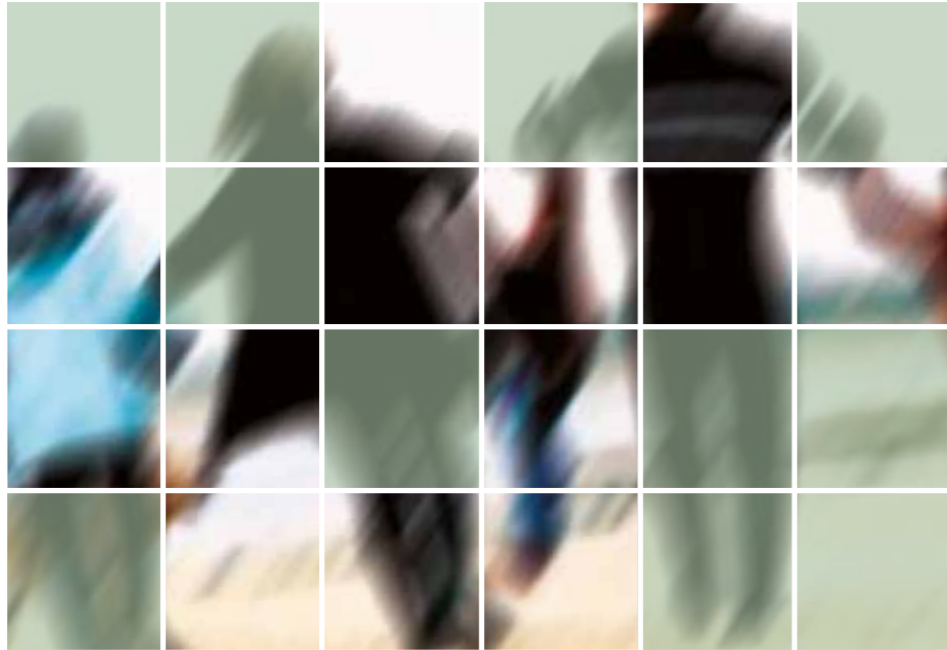
Thanks to the plug&play technology, machines only need to be connected to the hydraulic and electric network.

Once they are installed and programmed, they work independently, thanks to their completely automated accessories; thus, no operator is required.



# living better:

## WLP improves the quality of your life



### ■ WLP loves you.

**WLP** systems offer some undeniable advantages for your health and working conditions in general. **WLP's** primary goal is to reduce to the minimum the damage and problems that dust and odours cause people.

The damage to the body that can be caused by dust being raised: numerous industrial or craft processes cause the production and emission of dust of various grain sizes into the atmosphere. The grain size is directly linked to the extent of damage that can be detected in the human respiratory system. Reference is made to "inhalable fraction" (the quantity of particles dispersed in the air that is taken in through the nose and mouth), "thoracic fraction" (the quantity that passes beyond the larynx) and "breathable fraction" (the quantity that passes through the airways without cilia).



### How can WLP improve life?

**WLP** pays special attention to each component of their systems by combining high technical quality with full respect for the quality of life, reducing exposure to and intake of dust and odours.

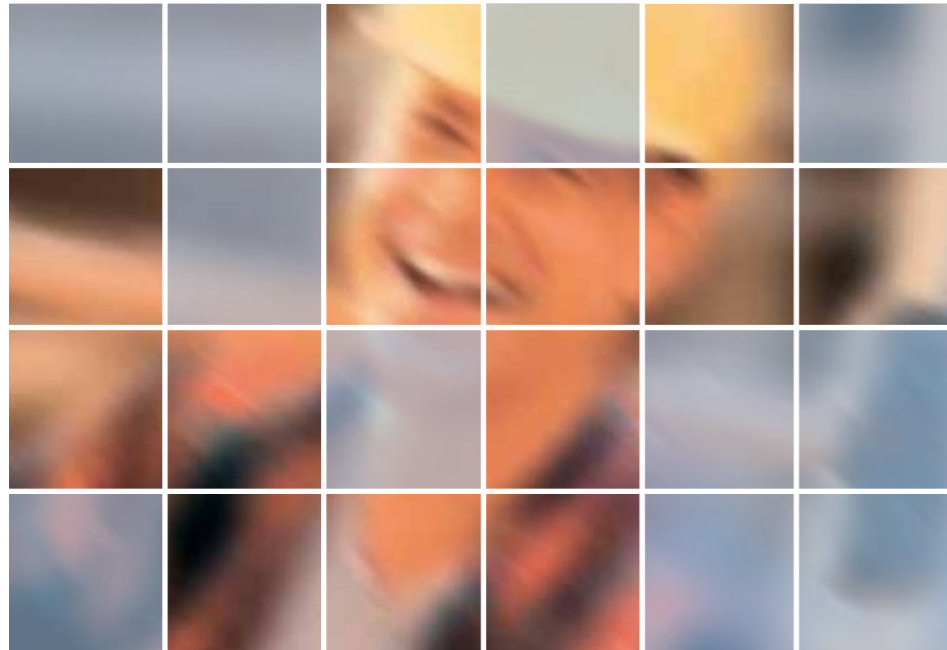
A few good reasons to choose **WLP**:

- Drastic reduction in the exposure to dust and odours that can be hazardous for health.
- Full respect for the environment.
- Improvement of workers' condition (removal of mud, dust and odours that can be annoying as well as hazardous).
- An ideal micro-climate in very hot environments or conditions.
- Full compliance with the regulations in force.



# working better:

## WLP improves the quality of your work



### ■ Who WLP can help.

WLP's aim is to suppress fine dust and odours wherever it is necessary to limit the emission of dust and odours in the air. This is why we have come up with solutions able to improve the quality of work so as to ensure higher productivity by optimising the resources available.

Specifically, WLP solutions are suitable for:

- Quarries and mines.
- Inert recycling systems.
- Demolition sites.
- Landfills.
- Cement works.
- Building of tunnels.
- Steelworks.
- Wood processing plants.
- Ports.
- Open-air or underground mines.



### ■ Why work with WLP?

Comparing WLP systems with traditional dust suppression methods will immediately demonstrate their efficacy and the advantages of buying one of our systems:

- **Uses less water** compared to the classic water trucks and sprinklers (around 70% less than the traditional method).
- **Quick treatment times** (less than one hour for a 20,000-sq.m area).
- **No production of mud at all** (in building sites and on vehicles).
- **No costs at all for workers employed** in wetting: quick return on the investment.
- **Full compliance with the environmental** regulations currently in force.
- **Much lower wear of machinery** on building sites.
- **Possibility to channel the throw** to specific spots thanks to the adjustable rotation system. Remarkable reduction in the power and water consumption.
- **Wide "irrigation" range** (the circumference may vary depending on the model of the WLP machine).



- **Simplified system installation procedures** (no need for infrastructures for positioning).
- **Persistence of the filtering** (on-going action) of suspended water particles even after the gun has been turned off.
- **Installation possible in any workplace** (network power supply).







WLP S.r.l.  
Via Broletti, 18  
38050 Castelnuovo (TN)  
ITALY  
Tel. +39 0461 751055  
Fax +39 0461 756903  
**info@wlpdust.com**  
**www.wlpdust.com**

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