

A photograph of a modern industrial building with a white and grey facade and a dark grey corrugated metal section. The building features large windows and the Filtrowent logo. The sky is blue with scattered white clouds. In the foreground, there is a paved area and some landscaping with small trees and rocks.


5 RULES YOU NEED TO KNOW BEFORE YOU CHOOSE YOUR SUPPLIER OF A DUST COLLECTION SYSTEM

 **Filtrowent**®
The **Clean Air** Company

Free guidance book

RULE No 1

Determine all
accurate input data
for your new dust
collection system



Invest wisely and save your money.

The basic input data is:

- **The type and properties of dust, its burning and explosion parameters** - needed to determine whether it is required for the dust collection system to be equipped with specialized protective and safety systems.
- **The quantity of the dust produced during material processing** - needed to determine the dimensions and functions of the system and also the dust storage.
- **The total volume of the air sucked off from the processing machines and production stands** - needed to the correct selection of the system devices in terms of their functionality and efficiency.
- **The proper location of the system** - needed to calculate the resistance and losses generated by the pipes and the co-operating machinery, as well as to determine the explosion areas both inside and outside of the system.

RULE No 2

Be updated on
binding regulations



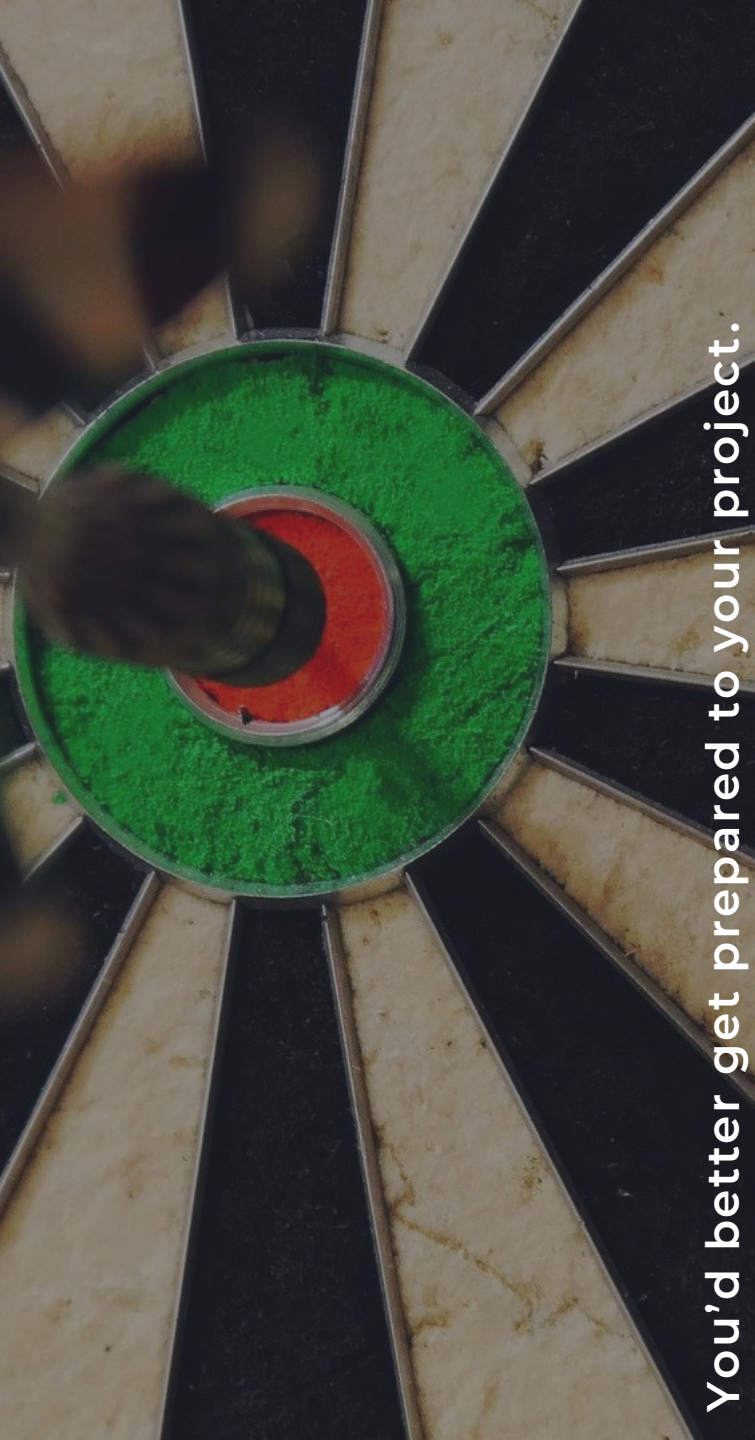
Gain knowledge and build up your awareness.

All machinery working in the dust collecting system has to comply with the requirements of the directives and regulations, etc. Among these are:

- **The Machinery Directive**, 2006/42/EC of the European Parliament and of the Council published on 17th May 2006.
- **The ATEX Directive (for manufacturers)**, 2014/34/EU of the European Parliament and of the Council published on 26th February 2014 in purpose to standardize the EU members' regulations on equipment and protective systems intended to use in potentially explosive atmospheres.
- **The ATEX Directive (for employers – employees)**, 1992/92/EC of the European Parliament and of the Council of 16th December 1999 on minimum requirements for improving the safety and health protection of workers at risk from explosive atmospheres.
- **The Regulation of the Ministry of Interior and Administration of the Republic of Poland** of 7th June 2010 on the fire protection of buildings, other buildings and areas, Journal of Laws No. 109 Item 719 (Dz. U.2010 nr 109. Poz. 719).

RULE No 3

The offer has to be
detailed, clear and
individually suited



You'd better get prepared to your project.

The offer is the foundation stone of your investment.


When deciding on investment into a dust collecting system (either a complete system or a part of it), the investor takes some risk - whether the system is going to function well and last long. What is more, there is also a high risk of unexpected failures, whose consequences can be very dangerous, tragic and very expensive. Therefore, it is of great importance to follow the rules enumerated in this guidance as well as to study the received offers most carefully.

- **The offer cannot be general** – it has to be very specific – make sure the offer you receive includes the following details: all the parameters of all the machinery, names of manufacturers of all the significant components, sub-components and parts, drawings and schemes, delivery conditions and after sale service.
- **Make sure that the subject of the offer is going to work according to its designation from the very beginning**, as an incomplete delivery of the system always generates additional costs such as extending the installation, modification of the already purchased machinery or adjusting it to the binding regulations.

The background of the slide is a photograph of firefighters in full protective gear, including helmets and oxygen tanks, working in a dark, smoky environment with bright orange flames visible in the upper right. The image is dimly lit, emphasizing the fire and the silhouettes of the firefighters.

RULE No 4

Don't forget to
secure your system
against fire and
explosion



Feel safe and sleep peacefully.

Fire and explosion safety.

The presence of explosive dusts in dust collection systems involves a high risk of fire or explosion. In order to minimize the occurrence of life hazards for people present in the surrounding area as well as to avoid huge property damages, it is necessary to make sure the installed system meets the health and safety requirements.

- **All equipment being used in a potentially explosive area must be manufactured in compliance with the adequate explosion proof classification.**
- **Dust collection system must be safe and for this reason it must be equipped with independent protection systems**, such as: certified decompression panels used on protective casing, certified rotary valves and reflux valves isolating explosion or other similar autonomic protection systems.
- **It is recommended to use additional preventive systems, such as: spark detection and extinguishing system, dry raisers installation etc.** which provide considerably easier and less expensive protection.

RULE No 5

Take care of your
warranty and post
warranty service





Work and enjoy your equipment reliability.

System usage and operation.

Comfortable operation of dust collection system is a priority to both an investor and a supplier. Processing machines and work stations to which the dust collection system is connected to require even more precise operations, constantly higher efficiency and maintained order. Effective production is impossible without a well-functioning dust collection system.

That is why it is so important to design and construct a dust collection system with utmost precision. Such well-designed system with a professional service team ensures a long, effective and safe working life.

Making sure that the dust collection system supplier provides efficient after-sale servicing and maintenance within the warranty provisions, enables the investor to concentrate on their priorities without additional worries or complications.

Professionalism and experience
Experts team
Individual approach
Modern solutions
Safety and human protection
Property protection
Reliability and functionality
Warranty and after sale servicing
Energy saving
Environment protection
In compliance with regulations
Attention to detail

A trustworthy company

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