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Air – the key to life



90% of our time we spend indoors



Fine dust leads to 18x more deaths than road traffic

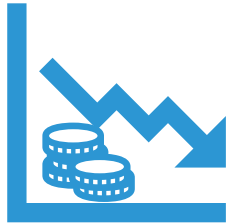


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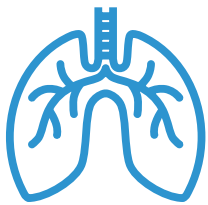


Good air quality extends life expectancy by up to 2 years

Current situation of ventilation and filtration systems in buildings and their consequences



- **Energy consumption** of the ventilation system is a large component of the energy consumption of a building, partly because the air supply is not regulated according to demand and **existing filter systems need more pressure to allow the air to flow** through the ventilation system.



- **Poor indoor air quality**, as no measurements are available: **too high CO2 , fine dust and ozone concentration**, which among other things leads to lower productivity and poorer health (work absenteeism) (**70% of buildings have only F7 filters**).



- **Building pocket filters** must be **disposed** of once or **twice a year**, burning plastic, metals, etc.



Accordingly, the UAE Air Quality Agenda is built upon three pillars:

	The Monitoring pillar relates to the actual measurement of air pollution and related parameters ²⁴ .
	The Mitigation pillar relates to a broad range of existing, planned and/or required actions that will be taken to reduce levels of emissions / pollutants, and also reduce exposure to these pollutants.
	The Management pillar relates to measures that will allow for interventions and initiatives to be effectively implemented, tracked, and controlled to achieve the overall goal of improved air quality.

The strategic 3 Pillars of the UAE National Air Quality Agenda

Strategic Pillars



Monitoring



Mitigation



Management



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Old vs new system

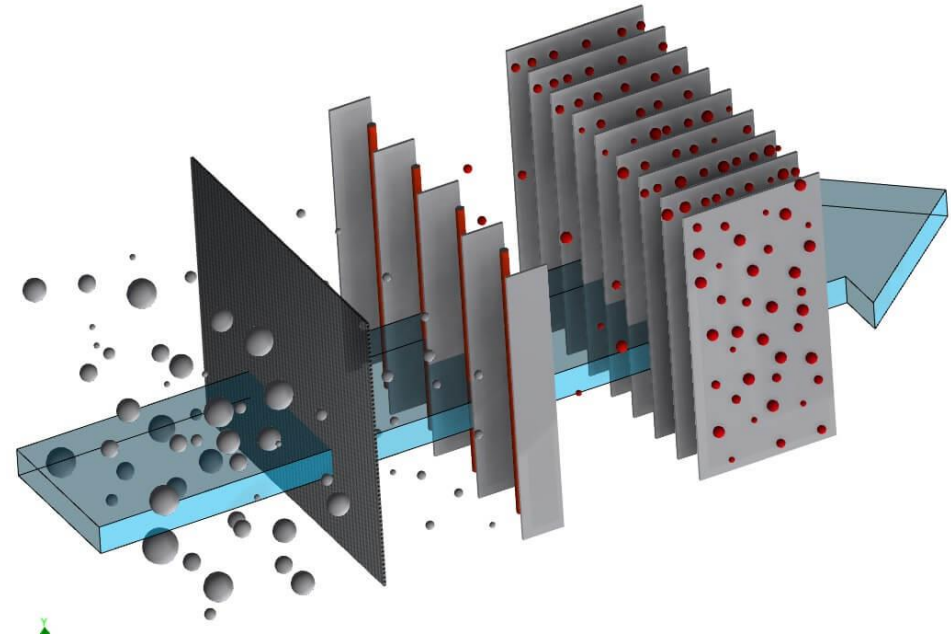


old



new

How it works



- **filtration efficiency of over 99%.**
- filters **fine dust, viruses, germs, bacteria, fungal spores and aerosols.**
- Trough the activated carbon filter it also **acts against** unpleasant **smell** and **ozone.**



Benefits of the solution



- Economical: **50% lower energy costs** with comparable air quality under conventional system (F7 & F9 filters). **Return on Investment within 6-8 years!**



- Ecological: **No filter replacement**, "maintain instead of throw away". **Reduction of annual maintenance costs by approx. 50%.**



- **Easy conversion** of existing, single-stage F7 filter modules, which then deliver separation efficiency E10



- **Significantly lower**, constant **pressure drop**



- Quieter operation

Reference projects



SwissRe
(Building NEXT & 5 others)



Glencore HQ



Zug Cantonal Hospital
(isolation room)



Dietikon
(multi-family building)



AXA (Maintower)

Contact us

We are happy to answer your questions!

Fabian Uetz, Tesenso AG

- +41 79 701 87 06, fabian.uetz@tesenso.ch

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