



EXEL Air Tech Sp. z o.o. (Ltd.)
Aleja Katowicka 113
05-830 Kajetany, POLAND

COMPANY

EXEL Air Tech Sp. z o.o. (Ltd.) ("EAT")
since March 2021

Eco-tech production company

The concept of EAT is commercialization of inventions:

- **Air purification,**
- **Decarbonization (Carbon capture tech),**
- **Green energy**

Four private persons working for Kohlauer Group (Reinhard Kohlauer, Ruslan Wolff, Maciej Zakrzewski, Adam Mielczarek) became shareholders of EAT and two of them (Ruslan Wolff and Adam Mielczarek) were authors of the first patent application.



FOUNDERS

Reinhard Kohlauer – successful entrepreneur with three-decades experience in business of noise-barriers. Head of Kohlauer Group (R. Kohlauer GmbH, ALFA BOND KOHLHAUER), Well known, respected innovator and leader of industry.



Maciej Zakrzewski – CEO of EXEL Air Tech. For 15 years he has been the Executive Managing Director of ALFA BOND KOHLHAUER (Poland). Experience in project management, in acquiring construction projects and expanding the sales network in Poland and in other countries.



Ruslan Wolff – managing director and project leader in EAT, co-creator of EXEL products. Ruslan is specialist in sales and marketing of innovative products.



Adam Mielczarek – innovator with 13 patent applications (mostly in proceeding, 3 of them became patents), 2 industrial patterns, co-creator of EXEL products.



PROBLEM

AIR POLLUTION - THE SILENT KILLER


Every year, around **7 MILLION DEATHS** are due to exposure from both outdoor and household air pollution.

Air pollution is a major environmental risk to health. By reducing air pollution levels, countries can reduce:

- Stroke**
- Heart disease**
- Lung cancer, and both chronic and acute respiratory diseases, including asthma**

REGIONAL ESTIMATES ACCORDING TO WHO REGIONAL GROUPINGS:

- Over 2 million** in South-East Asia Region
- Over 2 million** in Western Pacific Region
- Nearly 1 million** in Africa Region
- About 500 000** deaths in Eastern Mediterranean Region
- About 500 000** deaths in European Region
- More than 300 000** in the Region of the Americas

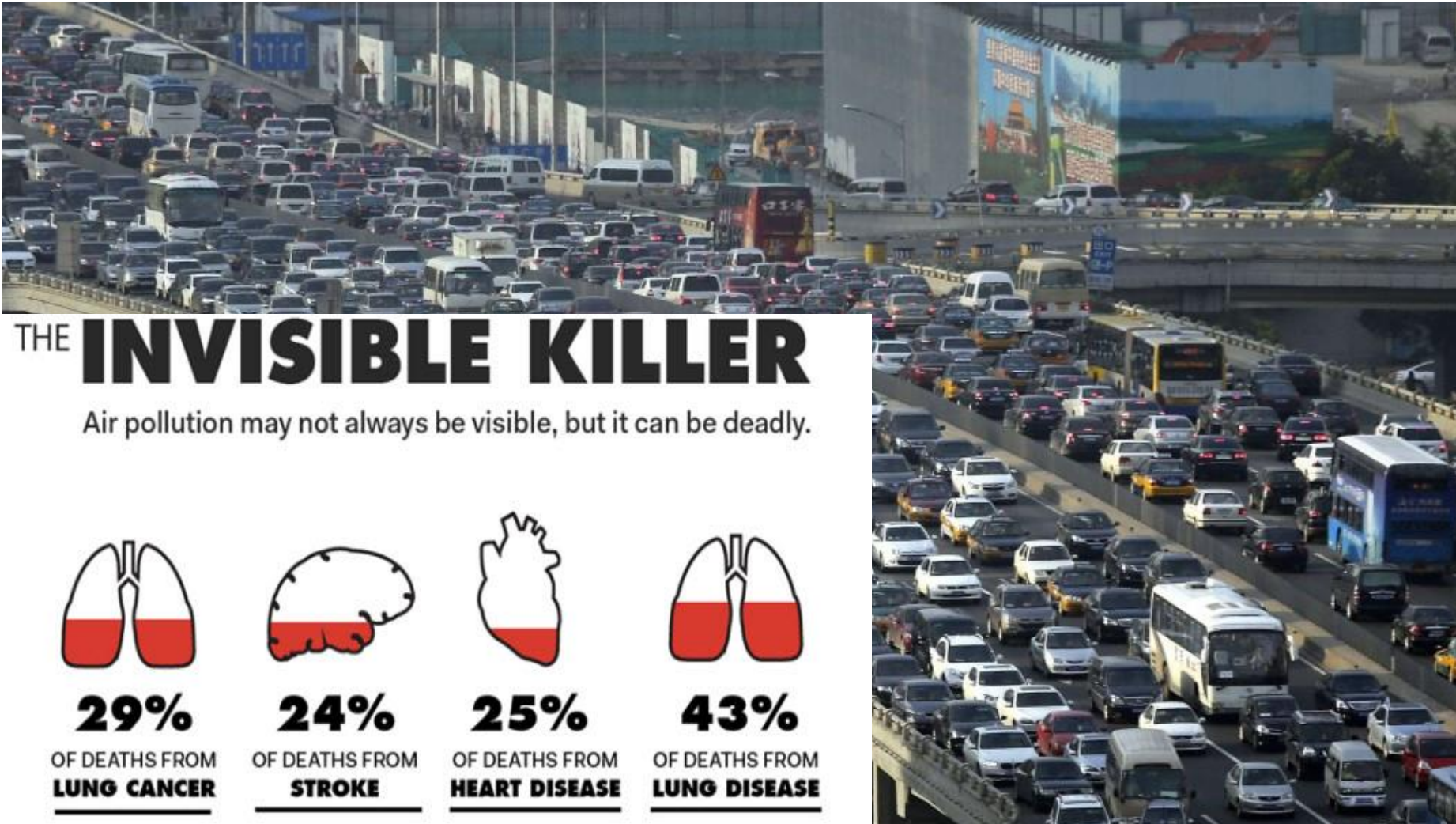
CLEAN AIR FOR HEALTH #AirPollution 

Every year, around **7 MILLION DEATHS** are due to exposure from both outdoor and household air pollution.





4 000 000 PEOPLE DIE YEARLY!!!
in Asia due to dirty air!



PROBLEM



THE INVISIBLE KILLER
Air pollution may not always be visible, but it can be deadly.

			
29% OF DEATHS FROM LUNG CANCER	24% OF DEATHS FROM STROKE	25% OF DEATHS FROM HEART DISEASE	43% OF DEATHS FROM LUNG DISEASE



PROBLEM

POLUTANT AIR

or

CLEAN

Effectiveness of purifying: **80-90%**

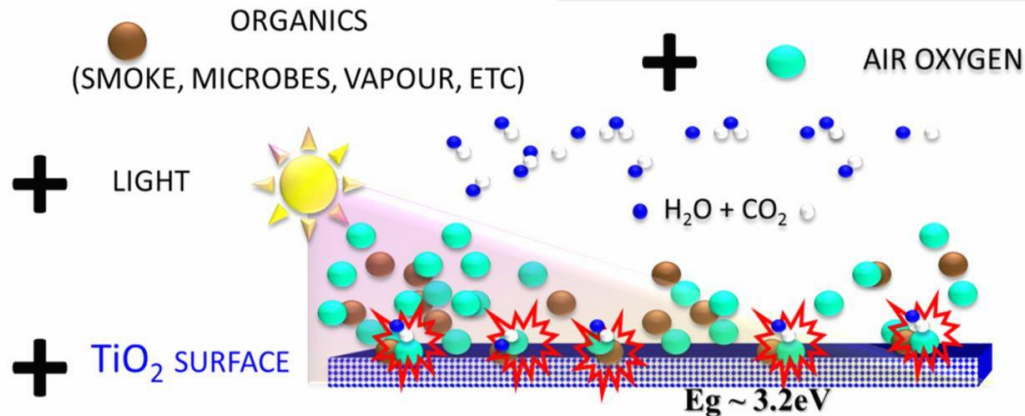
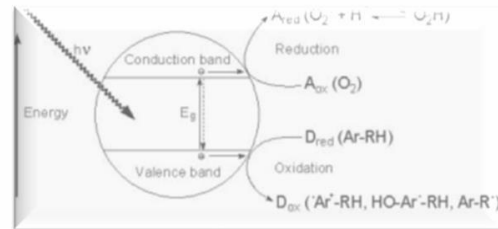
 **exel**
AIR TECH

PROGRESS. AIR PURIFICATION

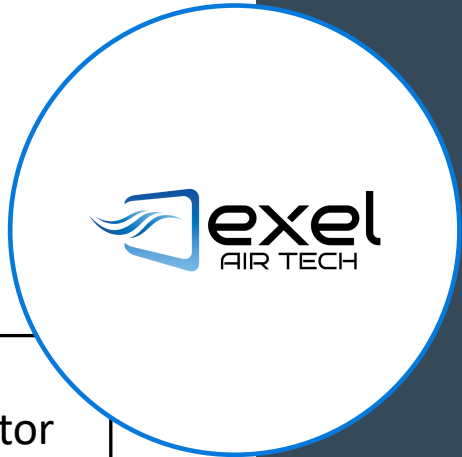
Our of the devices was tested in a laboratory by TUV Nord (German Institute) and the results are **excellent** and **confirmed** by certificates. The majority of pollutants are transformed in **proces of photocatalisation** into a steam and not harmful compounds. That is why we call it EXEL – as an association to “excellent” and **EX**haust gases **EL**iminator.

HOW DOES IT WORK?

CONVERSION OF LIGHT ENERGY INTO AN OXIDATION POTENTIAL ON THE SURFACE OF TITANIUM DIOXIDE



1 sqm meter of **EXEL** catalysator cleans air same to minimum 500 trees*



GOALS. AIR PURIFICATION

PILOT PROJECT “EXEL ADAM”

The application to the Polish Patent Office regarding mobile station for air purification – EXEL ADAM (Aero Dynamic Autotransport Mount).

Roof or back mount EXEL ADAM module for exhaust gases, chemical emissions and other pollutants purification.

Efficiency: Exhaust emissions ~ 2.5 t / annually



URZĄD PATENTOWY RZECZYPOSPOLITEJ POLSKIEJ

SPRAWOZDANIE O STANIE TECHNIKI ZGŁOSZENIA NR P.437471

Klasyfikacja zgłoszenia: A61L 9/20 (2006.01); F24F 3/16 (2006.01); B01D 53/86 (2006.01)

Poszukiwania prowadzone w klasach: A61; F24; B01

Kategoria dokumentu	Dokumenty – z podaną identyfikacją	Odniesienie do zastrz.
A	PL P.381935 ŚLIWIŃSKA RENATA, BOGDAN 2008-09-15	1-31
A	KR2019022284 A PUREECOTECH CO LTD 2019-03-06	1-31

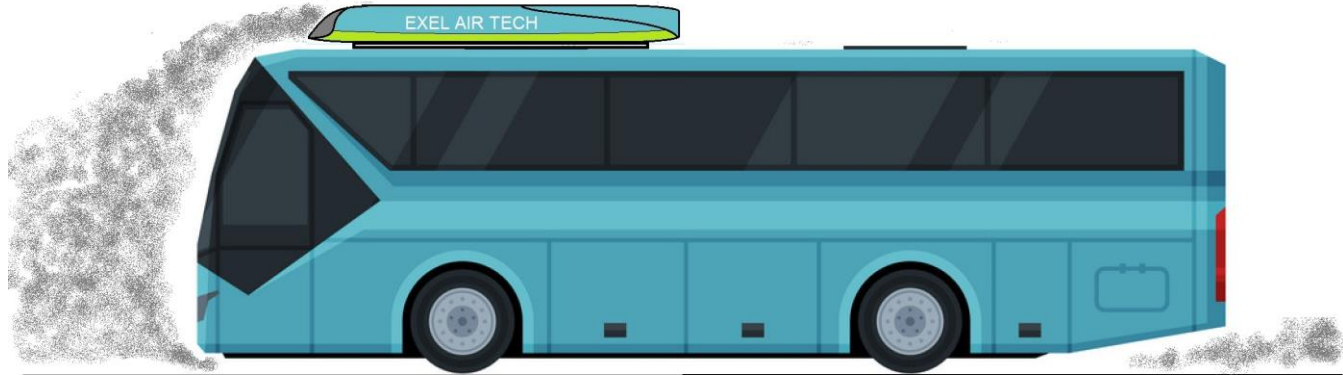
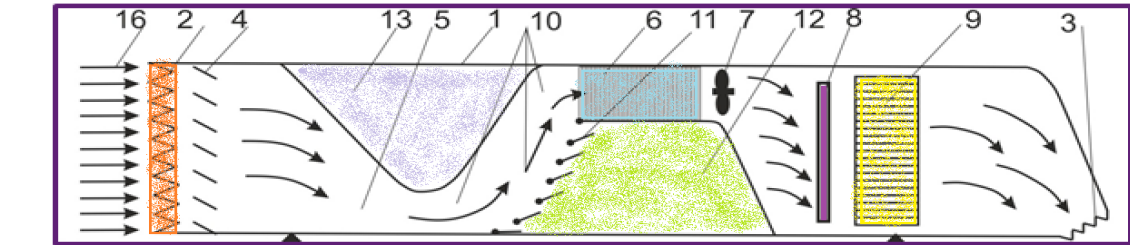
Dalszy ciąg wykazu dokumentów na następnej stronie

Sprawozdanie wykonał: Mieczysław Kieblecki data: 30.12.2021r.

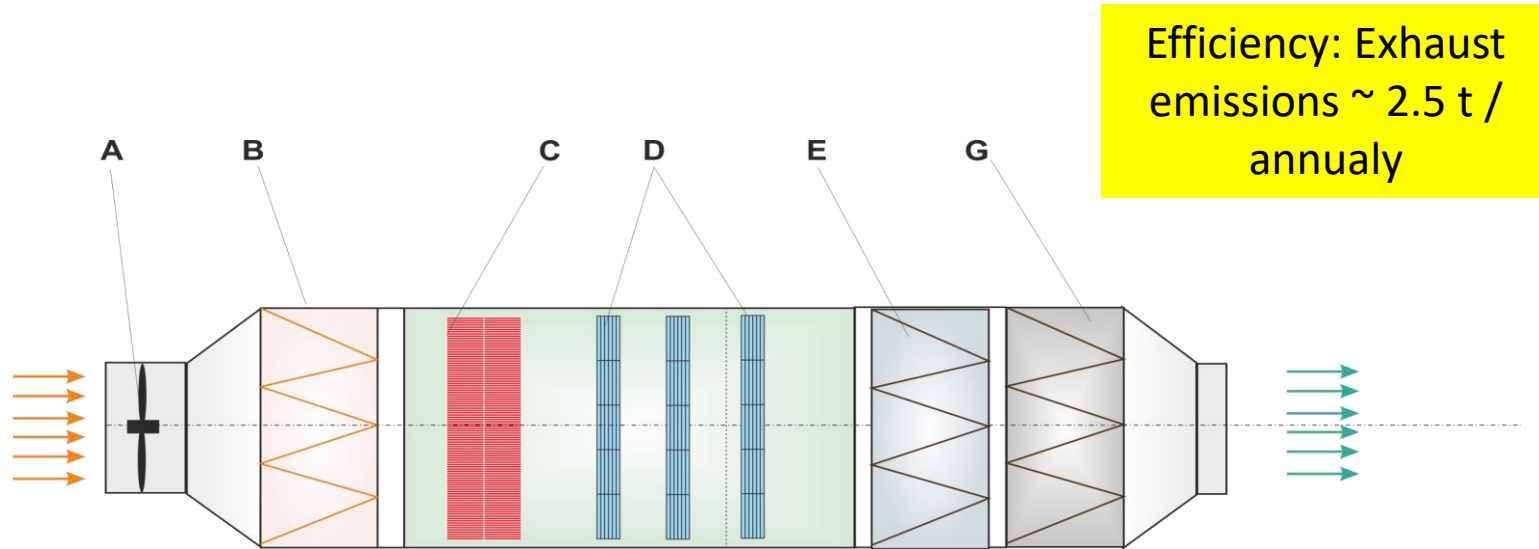
Uwagi do zgłoszenia

Sprawozdanie zostało wykonane w oparciu o wersję zastrzeżeń patentowych z 2021-03-31

Strona 1 z 1



PROGRESS. AIR PURIFICATION



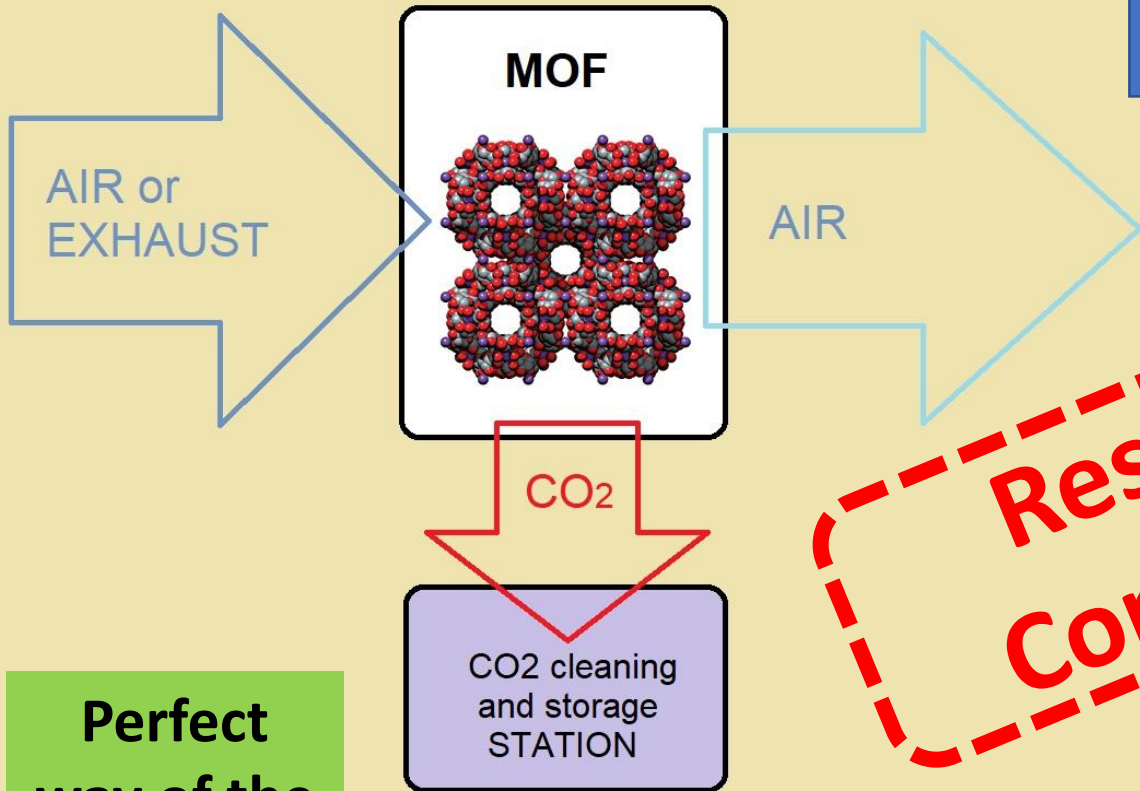
DIRTY STREET AIR, A – Air filter, B – Ventilator,
C – Electrostatic filter, D – Photocatalysis modul,
E, G – Ozone destructors, CLEAN AIR

SUB ZERO EMISSIONS!

Buses eliminate several times more pollutants than emit.



PROGRESS. DECARBONIZATION



Equipment based on Metal Organic Frameworks technology to capture CO₂

Research Completed

Perfect way of the carbon offset

Captured CO₂ may be used (or sold) as a technical gas.



GOALS. AIR PURIFICATION + DECARBONIZATION

PILOT PROJECT “CONVENIENT SHOP”



CLEAN and CLEAR BENEFITS for ALL

ESG

Sustainability,
environmental
protection, clean air,
non-financial reporting

CO2

Carbon footprint, CO2
offset, capturing and
trade, net zero or net
negative





Ask for more!

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