

SMOGATHON

# OUR INVICIBLE YET ENEMY - SMOG



Smog - dangerous  
and costly global enemy



Up to 1% of global  
GDP by 2060 (*OECD*)



4,2 million premature deaths  
worldwide (*Nature, IEA*). 45 thousand  
in Poland (*HEAL Polska*)



Economic slowdown  
in congested regions

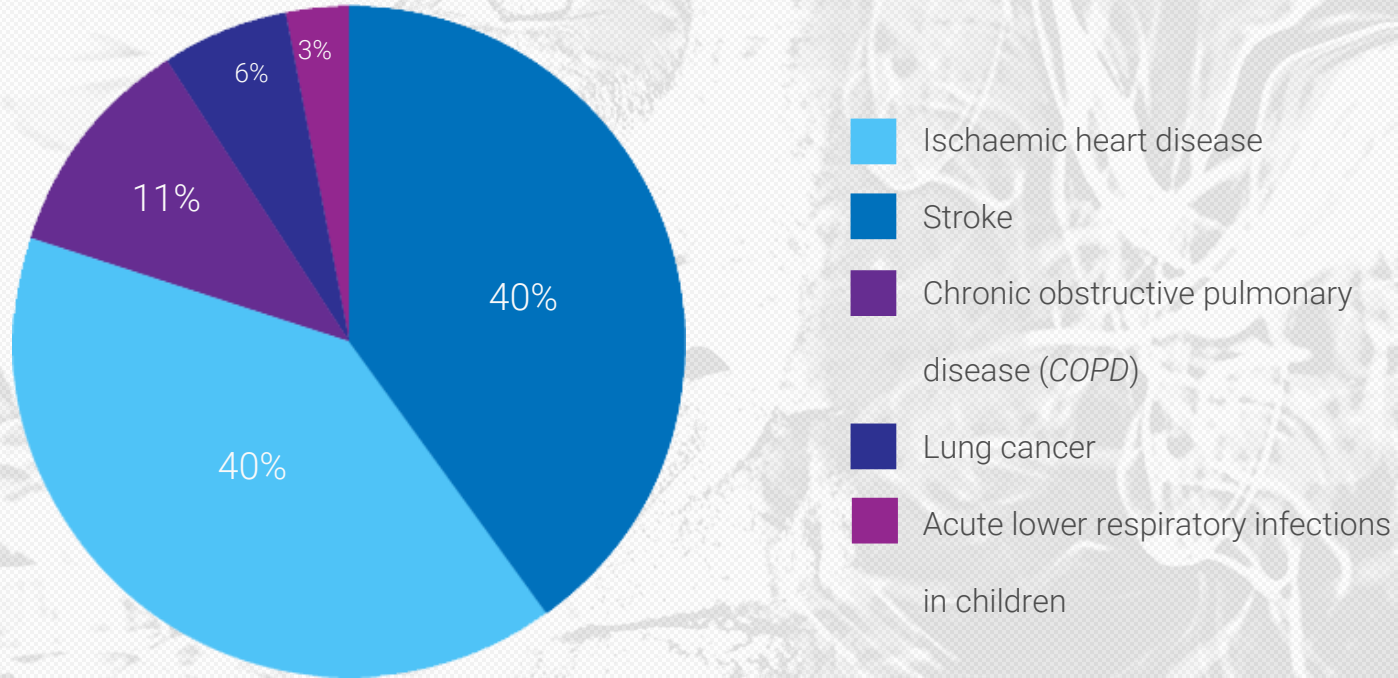


High-skilled workers brain  
drain



Decreased quality of life

# OUTDOOR AIR POLLUTION-CAUSED DEATHS: BREAKDOWN BY DISEASE



# MISSION AND AIM



## MISSION

Fight smog with  
technology



## AIM

Helping technological  
projects in various fields  
of science and business  
to fight smog

# OUR STORY: SMOGATHON 2015

## MULTIDISCIPLINARY 24-HOUR HACKATHON



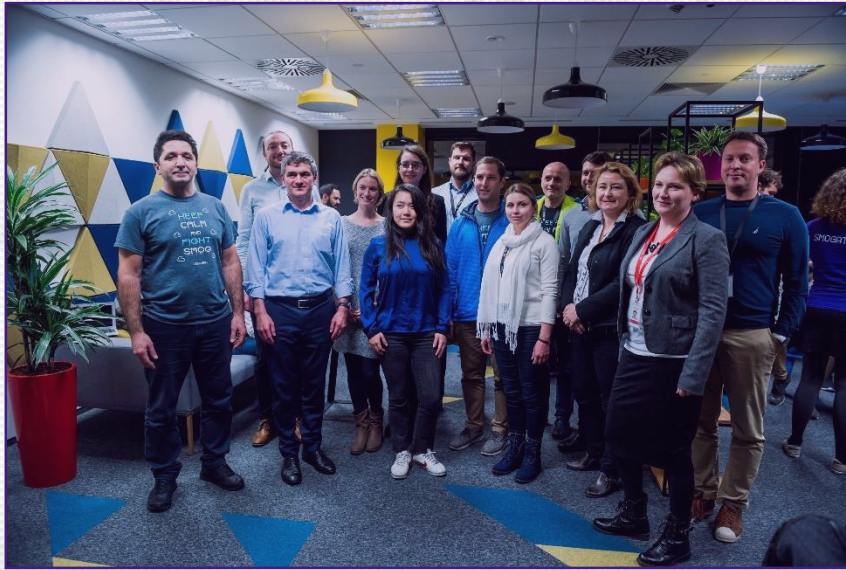
# OUR STORY: SMOGATHON 2016

## BOOTCAMP



# OUR STORY: SMOGATHON 2017

## TRULY GLOBAL EDITION



# OUR STORY: SMOGATHON 2018

## SMOG-FIGHTING COMPETITION WITH THE GLOBAL REACH



# SHORT SUMMARY OF 2018



100 applications  
from 6 continents



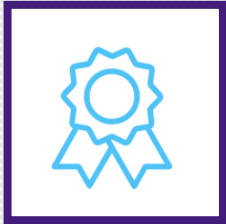
6 semifinals  
in 6 countries



Almost 50 teams  
in semi-finals



12 finalists from  
5 continents



6 presentations



12 experts  
in Business,  
Technology  
and Social Impact



10 jury members



1st Prize - \$15 000  
2nd Prize - \$10 000  
3rd Prize - \$5 000  
the Special Implementation Prize  
- 30 000 PLN donated by Otrivin by GSK

# TOP PROJECTS OF 2017

WINNER



**Artveoli Inc.** - a Silicon Valley based start-up company in the indoor air quality space, making artistic air panels that create fresh air indoors. [www.artveoli.com](http://www.artveoli.com)

THE SPECIAL IMPLEMENTATION PRIZE  
- 50 000 PLN DONATED BY OTRIVIN BY GSK



**Radic8** - providing world-leading technology to deal with indoor air quality problems, and creating innovative marketing tools to help businesses benefit from sharing clean air. [www.radic8.com](http://www.radic8.com)



**CGON** - is the only pre-combustion emission reduction device which could be installed inside the vehicle, for safe, on-demand hydrogen generation. [www.cgon.co.uk](http://www.cgon.co.uk)

# TOP PROJECTS OF 2018

WINNER



**Takachar** - Indian-American team Takachar, solving the problem of inefficient biomass combustion by converting it into a more cost-effective fuel.

<http://www.takachar.com>



**Indrio Technologies**, the team led by two assistant professors at the Stanford University. Their device reduces pollution caused mainly by nitric oxide.

<http://indriotech.com>



**Pi Green Tech** developed technology to combat pollution caused by PM 2.5 and PM 10. Their product was recognized for reducing dust emission and allowing it to be used later. [www.pigreentechsolutions.com](http://www.pigreentechsolutions.com)

THE SPECIAL IMPLEMENTATION PRIZE  
- 30 000 PLN DONATED BY OTRIVIN BY GSK



**Degrum** created a smog-free bus stop. The idea behind the start-up is to create a zone free of smog. [www.degrum.pl](http://www.degrum.pl)

# SMOGATHON 2018 PARTNERS

## PARTNERS



## SEMI-FINAL PARTNERS



# COVERAGE IN INTERNATIONAL (2017-2018)

210

PUBLICATIONS  
IN INTERNATIONAL  
MEDIA

# WE WERE FEATURED BY



FINANCIAL TIMES



XINHUANET



THE STARTUP HUB INDIA



@STARTUP SPEED

UCDAVIS



innovate cee

# COVERAGE IN POLISH MEDIA (2017-2018)

370

PUBLICATIONS  
IN TRADITIONAL  
AND DIGITAL MEDIA  
(IN POLAND ONLY)

# WE WERE FEATURED BY

Forbes



onet.pl

interia

wyborcza.pl

DZIENNIK POLSKI



BUSINESS INSIDER

SPIDER'SWEB  
BLOG BLISKO TECHNOLOGII

GAZETA  
Krakowska

RADIO  
KRAKÓW

MAMSTARTUP

TVP 3  
KRAKÓW

BIZNES ALERT



NEWS  
KRAKÓW

PORTAL  
Komunalny.pl

StartUp  
MAGAZINE



Puls  
BIZNESU



the  
KRAKOW POST

zwierciadło

INN:Poland

wnp.pl | PORTAL  
GOSPODARCZY

smogLAB

inzynieria.com  
jeden portal - wiele branż

LOVE  
KRAKÓW.PL

RZECZPOSPOLITA

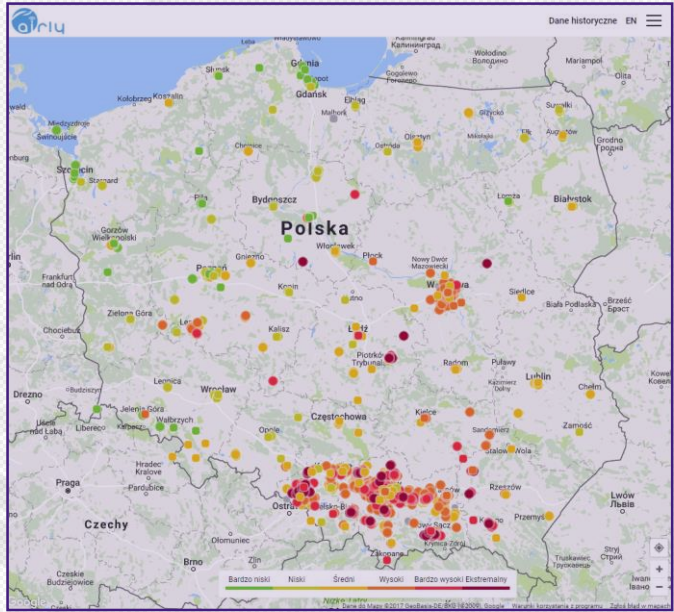
ŚWIATOZE *Bez tajemnic*



HOW SMOGATHON  
PROJECTS CHANGE  
THE WORLD?

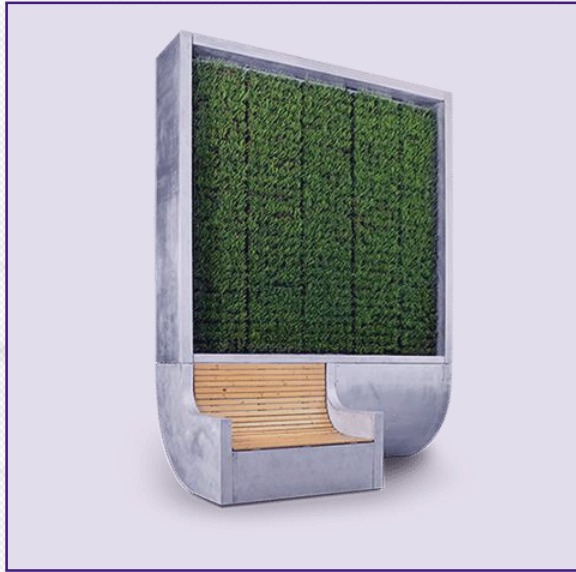
# AIRLY - ONE OF THE SMOGATHON 2015 WINNERS AND SMOGATHON 2016 FINALISTS

OVER 2000 AIR QUALITY SENSORS ALL OVER POLAND



# CITYTREE – SMOGATHON 2016 WINNER

THE PERFECT COMBINATION OF PLANTS AND IOT



# KAITERRA – SMOGATHON 2016 FINALIST

BEAUTIFUL PRODUCTS TO MONITOR  
AND IMPROVE THE ENVIRONMENT AROUND US



**AVIVA** #WiemCzymOddycham

## Ubezpiecz życie

a możesz otrzymać nowoczesny  
sensor monitorujący jakość powietrza  
w Twoim domu

Laser Egg 2

[Sprawdź Teraz](#)

The advertisement features a woman in a grey top holding a young child in a red shirt and blue shorts. They are in a living room setting. A circular inset in the foreground shows the Kaiterra Laser Egg 2 air quality monitor, which displays '42' and 'GOOD' on its screen. The Kaiterra logo is visible at the bottom of the inset. The background is a dark, slightly blurred image of the woman and child.

# HEXITO AIR – SMOGATHON 2016 FINALIST

WE ALL DESERVE CLEAN AIR – ADVANCED  
TECHNOLOGY 10 X MORE EFFICIENT



**KICKSTARTER**

hexio | Air Purification X 10

**AIR PURIFICATION X 10**

hexio's new technology increases the air purification and deodorization efficiency by 10 times.

Created by  
Richard Greenwood

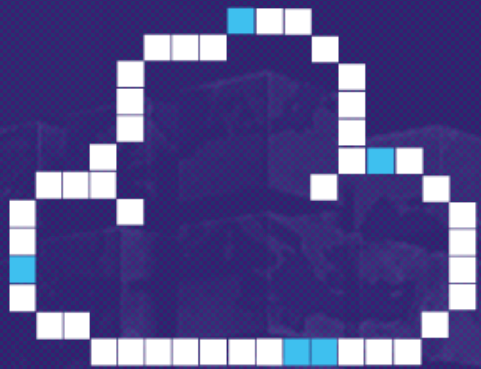
256 backers pledged £58,970 to help bring this project to life.

The image is a Kickstarter campaign graphic. It features a woman with long blonde hair, wearing a white tank top, reaching her right arm up towards a grey banner that reads "AIR PURIFICATION X 10". In the bottom left corner, two hexio air purifiers are shown. The hexio logo is in the bottom right corner. The background is a soft, warm-toned image of a woman's face in profile.

# RADIC8 – SMOGATHON 2017 RUNNER UP

40 VK102 DEVICES IN KRAKOW AND ŻYWIEC





SMOGATHON

2019

# STAGE I – SEMI-FINALS

4 SEMI-FINALS IN 4 LOCATIONS

2 x EUROPE

1 x ASIA

1 x NORTH AMERICA



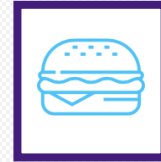
# STAGE I – SEMI-FINALS



3 teams selected  
from each location



12 teams selected  
in total



Travel, accommodation  
and food provided  
for all teams in finals

# STAGE II – KRAKOW FINALS AND GRAND FINALE



KRAKOW FINALS  
(November 2019)



80 points awarded  
by experts



6 best advance



GRAND FINALE  
(November 2019)



20 points awarded  
by jury members



3 prizes: \$15 000, \$10 000, \$5000  
+ special implementation prizes

Do **YOU** want to be a **PARTNER**  
in Smogathon 2019?



**Maciej Rys**

Smogathon Leader

+48 696 653 645

[maciej.rys@smogathon.com](mailto:maciej.rys@smogathon.com)

[www.smogathon.com](http://www.smogathon.com)