



**We clean the air we all breathe creating  
better places to live and work.  
Everywhere.**

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



WE ARE PART OF THE EFFICIENT SOLUTIONS

TO **PROTECT**  
**THE ENVIRONMENT**  
**IN A PROFITABLE WAY**





WE ARE PART OF THE  
**#1000SOLUTIONS**  
TO CHANGE  
**THE WORLD**

## THE PROBLEM

Air Pollution in  
Indoor + Outdoor  
causes

9 M+/Year  
**DEATHS**  
Worldwide

\$2.9  
**TRILLION**  
Economic  
Costs

- From smog hanging over cities to smoke inside the home, air pollution poses a major [threat to health](#) and climate.
- The combined effects of ambient (outdoor) and household air pollution cause about [nine million premature deaths every year](#), largely as a result of increased mortality from [stroke, heart disease, chronic obstructive pulmonary disease, lung cancer and acute respiratory infections](#).

Global Air Purifier Market trend: \$28 b by 2027; CAGR 2020-2027 around 14%  
source: BUSINESSWIRE (2020)





## THE SOLUTION: AIR POLLUTION ABATEMENT SYSTEM - APA



**BAT** BEST  
AVAILABLE  
TECHNOLOGY  
EU IPCC 2008/1/CE



- ✓ **WATER-BASED and NO FILTERS**
- ✓ **CERTIFIED**
- ✓ **OPERATING AT SURFACE LEVEL  
DISTRIBUTED (mainly)**
- ✓ **INDOOR & OUTDOOR**
- ✓ **CLEANER AIR IN DAYS OR  
WEEKS**
- ✓ **MEDICAL DEVICE**

## THE TECHNOLOGY

✓ Scalable and Flexible

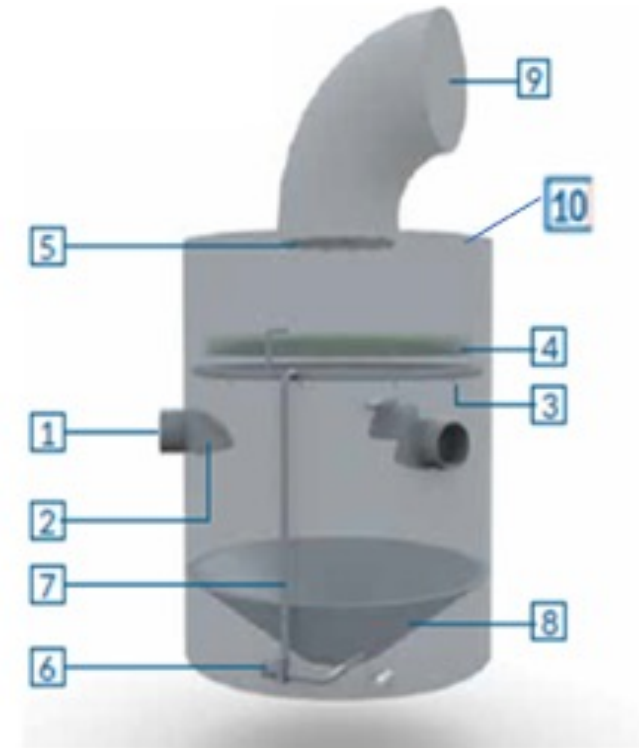
✓ 24 Patents granted  
(utility models, trademarks and wide know-how to support the IP STRATEGIES worldwide)

✓ Cost efficient

✓ 50x more efficient use of urban space

✓ 5-10x lower costs for running and maintenance (staff time, energy, no filters, etc)

✓ Minimize the infection transmission and helps fight COVID-19 spread



### Legend

- 1 Polluted air entrance
- 2 Venturi scrubber
- 3 Spray nozzles
- 4 Deposition stack
- 5 Fan
- 6 Water pump
- 7 Water recirculation
- 8 Washing water tank
- 9 Purified air exit
- 10 Electro-magnetic field UV-X



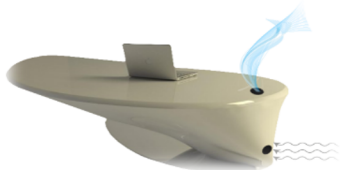


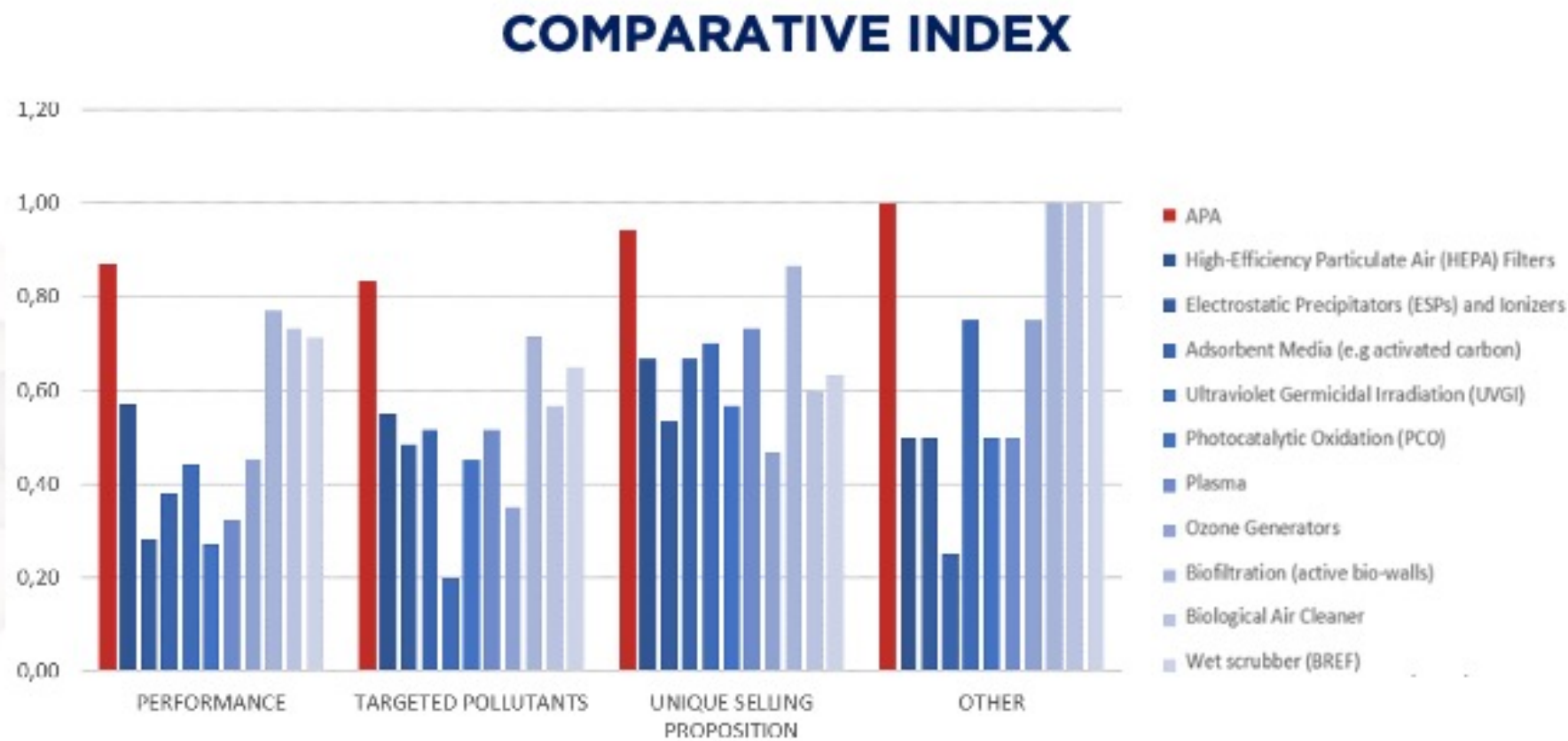
✓ **CLUSTER APPROACH**

✓ **MAIN SECTOR: Industrial Applications & Urban Spaces**

✓ **CUSTOMER NEED (INDOOR & OUTDOOR)**

✓ **TRIPLE WIN SOLUTION (Energy Efficiency Challenge)**





**APA has demonstrated to be superior for performance, targeted pollutants and USP to all competitors, and in “Others” at the top with three other technologies (bio-based and BREF)**





# OUR TRACTIONS: SOME REAL-WORLD APPLICATIONS

Italy, France, Israel, India, Hong Kong

## DEMONSTRATED PURIFICATION CAPABILITIES TO SUPPORT ALL DEVELOPMENT MODELS



1ST SMART CLEAN AIR CITY L'AQUILA



CIAMPINO AIRPORT  
(indoor and outdoor)



Israel - Rail Station



POLLUTION FREE SCHOOL - ROME



CLEAN AIR MALL - ROME

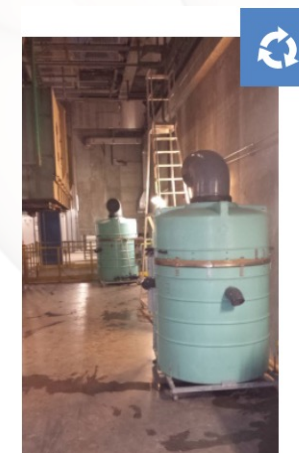
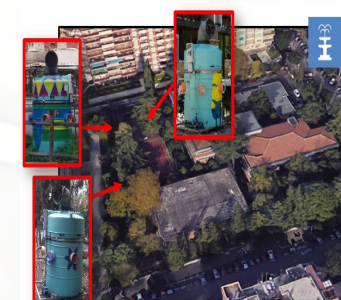


G7 Summit 2017

installations on workplaces, industrial sites and urban spaces, both indoor and outdoor

## SOME REAL-WORLD DEPLOYMENT & MEASURED RESULTS

	Number of APA	Abatement Rate	Initial Concentration		Duration of trial
			PM	NOx	
URBAN AREA (ROME)	3	>70% >45%	42µg/m <sup>3</sup> (average)	70µg/m <sup>3</sup> (average)	1 year
URBAN AREA (MILAN)	2	>40%	confidential	confidential	1 month
CIAMPINO AIRPORT (ROME)	2	>70% gate area >60% baggage	confidential	confidential	7 weeks
POLLUTION FREE SCHOOL	3	>55% (PM) >48% (NOx)	45µg/m <sup>3</sup> (average)	85µg/m <sup>3</sup> (average)	6 weeks
POLLUTION FREE TRAIN STATION	2	>50% (PM) >35% (NOx)	33µg/m <sup>3</sup> (average)	400µg/m <sup>3</sup> (average)	4 weeks
BIOMASS CO-GENERATION	1	>99% (CO) >95% (PM) >90% (SOx)	confidential	confidential	6 months
INCINIRATOR	3	>65%	confidential	confidential	4 months







OUR TRACTIONS/MILESTONES

50+ new installations planned in cooperation with large corporate and business partners

150  
Installations  
+ 15 in  
pipeline

BUSINESS  
MODEL  
IP Transfer &  
Manufacturing  
Partnership

10+  
Large Clients

Funding  
€7M +  
(Including 2.5  
Equity)

21  
Air Pollution  
Experts

France Industrial  
Estate (Paris)

12 main  
deployments in  
Italy

Hong Kong TT in  
development

India TT in  
development

Arrasate –  
Industrial site  
(Spain)

Israel Train Station  
(Tel Aviv)

Milan  
Padova  
Cecina  
L'Aquila  
4 deployments in Rome  
G7 Summit  
2017, Taormina





# OUR PLANS FOR THE NEXT 5 YEARS & MARKET



INCOME STATEMENT (€/000)							
TURNOVER	2019	2020	2021	+1	+2	+3	+4
TOTALE TURNOVER (€/000)	1.495,10	1.047,76	TBC	7.663,61	17.064,96	31.833,25	42.352,60

Source: actual data on Financial Statements and Business planning approved as of August 3 , 2021

## A flexible and core focused Business Model:

- Building Partnerships with OEMs at Country & Region Level
- Existing Revenues based on Pilot dissemination strategy (as requested by the specific industry)
- Future Revenues based on:
  - License Fees and Royalties for Technology Transfer Implementation
  - Sales of Core Components of the technology
  - Optimization Software as a Service subscription
  - Technology Upgrading Services
  - Remote Monitoring Services

## Markets

Air Purification Sectors

TAM: \$28b by 2027

SAM: 10%

SOM: 1.4%~2% (\$39-56m)

Indoor Virus Detection

TAM: \$12b by 2024

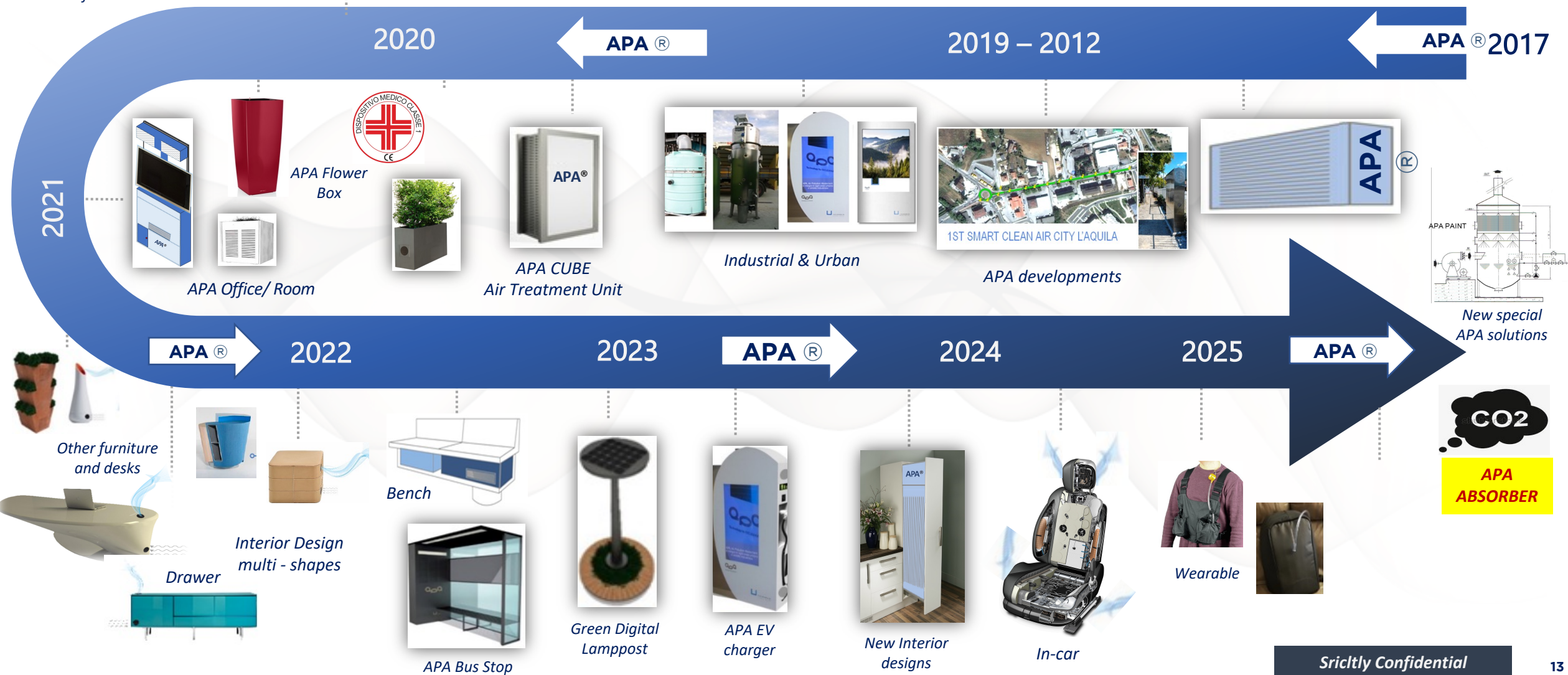
SAM: 8%

SOM: 3.5% (\$34m)



# APA deep tech: Main solutions up to date for industrial sites, urban spaces, industries and workplaces (private and public)

*Flexible, modular and scalable design, easy to install «as is», manage and integrate to pre-existing infrastructures*





## A PROMINENT PROJECTS AT INDUSTRIAL LEVEL TO ACHIEVE TRL9 - PURE

### *SPECIAL PROJECT - FUNDED BY THE PARTNERS AND THE EIT MANUFACTURING (EUROPEAN INSTITUTE OF INNOVATION & TECHNOLOGY)*



Funded by  
the European Union

- ISCLEANAIR has been engaged by **COMAU** (STELLANTIS GROUP, the very famous automotive Italian - French Group) and the below mentioned CONSORTIUM in order to launch some air cleaning piloting phases in the FAGOR's plant in Spain.

- industrialize at **TRL 9 the APA Technology**
- cooperate under a new JV, OEM Agreements and Industrialization/commercialization developments phases directly by COMAU
- creation of new APA air cleaning integrated solutions, also generating new IPRs in co-development, mainly at the service of the industrial sectors.

- planned extension of cooperation on the other technologies owned by the founders, on the «in-car» solutions, «buildings» and «Smart Cities».

# PURE

air Purification Units for manufactuRing Environments



EXTRAORDINARY EXPANSION OPPORTUNITIES

JOINT VENTURES

PUBLIC PRIVATE PARTNERSHIPS

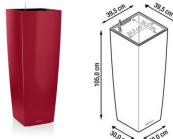
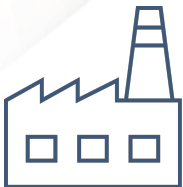
AD HOC PROJECTS

APA DEVICE SALES

WORKPLACES & INDUSTRIAL PLANTS

COMMERCIAL, REAL ESTATE & BUILDINGS

PUBLIC SPACES (indoor and outdoor)



INTERIORS, as OFFICES, LOCAL and DOMESTIC SPACES

PLANNED INVESTMENTS

Enhance and improve the organization, plant and labs and the value-chain

Support commercial activities and working capital

New intellectual properties and further extension of the strong certifications' framework owned, globally

Support new extensive growth opportunities on new solutions and products, segments, verticals and territories, worldwide

M&A to drastically increase the company growth opportunities in the mid-term



## A GLOBAL AND EXPERIENCED TEAM

### EXECUTIVES TEAM



**GIUSEPPE SPANTO**  
Co-Founder &  
Managing Director



**PAOLO TRIPODI**  
Co-Founder & Chief  
Innovation and Technology  
Officer



**PIETRO CALO**  
President



**CHIARA VERDERESE**  
Head of Business  
Development Department

### ADVISORS



**SANDRO DESIDERI**  
Commercial Advisor



**NICCOLO CADERNI**  
Strategic Advisor



**FABIO GALATIOTO**  
Advisor & Technology Manager

**An AGILE TEAM of  
21 Engineers "at  
work» globally (as  
12 FTE), in action  
jointly with  
QUALIFIED  
SENIOR  
EXECUTIVES and  
ADVISORS**



Today, efficient solutions exist that can boost economic growth, while at the same time reducing our impact on the planet.”

— **Bertrand PICCARD**  
Chairman of the Solar Impulse Foundation





# We clean the air we all breathe

## ***THANKS FOR THE ATTENTION!***

### WE ARE LOOKING FOR:

- *Local partners / stakeholders, for co-creation*
- *Investors, to share value and global scale - up*
- *Advisors / Experts, to be engaged for cooperations*

### CONTACTS

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- [gspanto@iscleanair.com](mailto:gspanto@iscleanair.com) - MD



***A VIDEO FOR A BETTER UNDERSTANDING***

