

WE CLEAN THE AIR WE ALL BREATHE and ENABLE MULTIDISCIPLINARY INTEGRATED SERVICES and SOLUTIONS

SHORT PROFILE



URKUNDE

Europäisches Patent

Es wird hiermit bescheinigt, dass für die in der Patentschrift beschriebene Erfindung ein europäisches Patent für die in der Patentschrift bezeichneten Vertragsstaaten erteilt worden ist.

Europäisches Patent Nr.
European patent No.
Dessenzugschein N°

Patentinhaber
Proprietor(s) of the patent
Titulaire(s) du brevet

CERTIFICATE

European patent

It is hereby certified that a European patent has been granted in respect of the invention described in the patent specification for the Contracting States designated in the specification.

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IS CLEAN AIR ITALIA S.R.L.

CERTIFICAT

Brevet européen

Il est certifié qu'un brevet européen a été délivré pour l'invention décrite dans le fascicule de brevet, pour les États contractants désignés dans le fascicule de brevet.



ISCLEANAIR

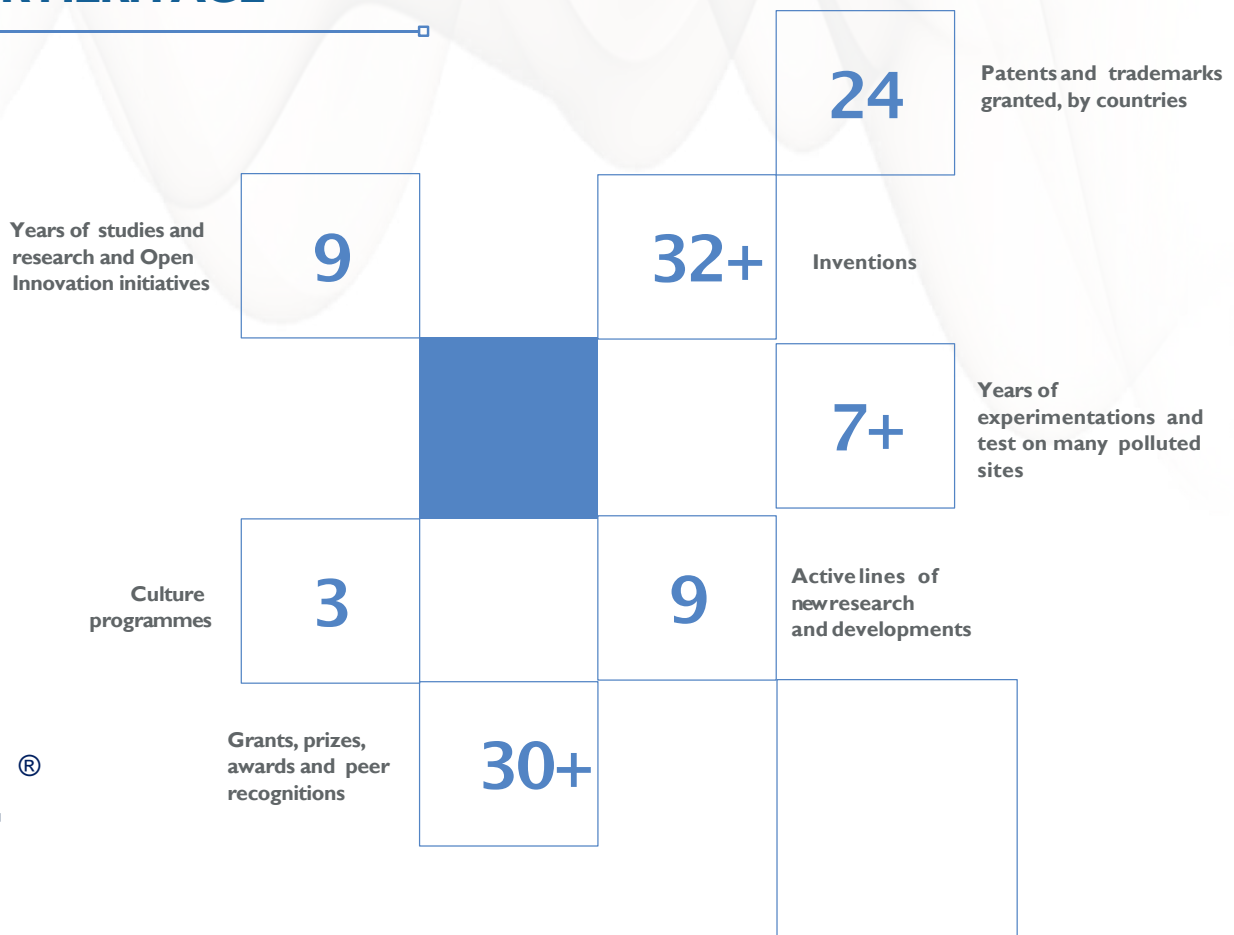
ISCLEANAIR – BREATHE YOUR LIFE® is a business involved in “scale-up” phases globally, operating from April 2017 after extensive technical and validation phases targeting to the next commercial activities on the main achievable markets; it aims to transfer the APA IP rights globally and to industrialize and commercialize extensively the technology named **APA - Air Pollution Abatement®**, able to be applied and effective everywhere, at the service of people health and the environment. The company even performs further developments and integrated technology applications and their related dissemination and distribution, in the core of innovative activities operating for human health and well - being and against the climate change, in compliance with the ESG and Circular Economy programs and the face of the 17 UN sustainable goals, to express concrete contribution for better world.

APA® technology represents a unique solution for the ambient air cleaning enabling environmental remediation because it is designed and implemented to operate at surface level, in all the spaces where people breathe.

Simply to use, recognized as a **BAT – Best Available Technology**, strongly patented and first in the world really certified, water-based and performing efficiently with low running costs, APA operates as a filter-less intelligent distributed air pollution and other harmful elements absorber; it is integrated with monitoring and control features and, in many site of applications, acts as a smart platform to enable new Internet of Things, AI, energy efficiency and 5G solutions and services.

WE PLANNED A BETTER FUTURE BY DEVELOPING NEW AMBIENT AIR CLEANING SOLUTIONS AND RELATED INTEGRATED SERVICES, A CLEAR INNOVATION TO DISRUPT FOR PEOPLE’S HEALTH AND WELL-BEING, AT THE SERVICE OF HUMANITY AND THE ENVIRONMENT

OUR HERITAGE



APA ® provides many competitive advantages and clear differentiations in comparison to other existing technologies and products:

- the only one widely proven and qualified as an Efficient and Profitable Solution (by the prestigious Solar Impulse Foundation) and recognized as a **BAT - Best Available Technology** (EU IPPC Directive 2008/1 /EC);
- demonstrated extraordinary efficacy in ambient air cleaning where people live, work and breath, operating mainly through distributed clusters of air pollution absorbers, installed at the ground level;
- highest efficacy and efficiency for the removal of particulate matters (PM), PAH and light hydrocarbons, heavy metals, SO_x, NO_x, CO, O₃, pollen, spores and other harmful elements;
- lowest Total Cost of Ownership (TCO), flexibility and scalability, because it is modular, multi-function and multi-shapes;
- recognized by the Italian Ministry of Health even as a medical device (Class 1 – EC, Prevention and Protection Equipment, Doc. n. 1967999 / 2020), enabling future applications in the medical sectors;
- IPR's wide protection of the technology levels and the related distributed strategies of application, based on extensive know-how and a number of patents already granted and assigned in the main industrial countries in Europe, U.S.A. and in many other countries worldwide.

APA ® is an intrinsically clean solution, responding concretely to the “**nearly zero waste philosophy**” (it generates rain-water like as residual) and the “**nearly zero emissions principles**” (consumption up to 7 - 10 times lower than competition).

In relation to special applications (i.e. as the special systems dedicated to operate in the cogeneration plants) APA ® technology can be also applied at the emissions' source as advanced wet-scrubbing system, to improve the operational cycles and the abatement performances, and to save significantly the running costs.

APA ® is the only one really certified by independent third parties and has an impressive track record of prizes, grants and awards (as Sustainable Growth Fund, many Italian Government's initiatives and Horizon 2020 – SME Instruments Phase II by EIC – EISMEA, the Executive Agency for Innovation and Small and Medium Enterprises), and has many recognitions by peers globally, several articles, publications and mentions in newspapers, magazines and journals.

APA ® versatile technology boasts over 7 years of research and analysis, over 6 years of tests, experimentations, demonstrators and Open Innovation implementations on the field in polluted sites and areas, and now is involved within many innovative projects and sales activities directly and jointly to prominent business partnerships to serve the achievable and serviceable markets worldwide.





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