

ANTHOPOGENIC INTELLIGENT

In
Environmental
Discipline



Matters
ACADEMY

ANWR



<https://www.youtube.com/watch?v=IOeOdctylI0>

We all care about our health – physical health and, more recently, environmental health.


What is environmental health?

Environmental health is about the relationship between people and their environment, human health and wellbeing, healthy and safe communities. Social initiatives can be treated professionally, scientifically.

And, we should. Importantly, our next-generation leader can learn about the environment scientifically.

Matters Academy is an ESG online hub for professionals to learn and earn certification. Get ready for the substantial global ESG market by learning about ESG concepts and practices at your own pace online. Grow and develop as an ESG professional for better career development and new opportunities. Available in multiple languages.

ANewR Consulting Limited, a digital environmental consultant headquartered in Hong Kong since 2008. Our expertise has grown into the context of air and water qualities, noise, green building, waste management, and remediation. With extensive know-how in environmental planning and assessment, feasibility study and policy review, ecological design, monitoring, and audit (EM&A), ANewR has matured to be a leading management consultancy. Standing in the digital transformation reign, ANewR has participated in various environmental digital projects - interactive 3D visualisation, immersive automation virtual environment, Virtual reality, automation system, and monitoring platforms.



**The environmental
health around us can be
traced. Have the three
goals to action in mind:**

- Know your built environment
- Scientifically monitor
- Data analysis

TO STAY ENVIRONMENTALLY SMART



Goal 1 – know your built environment

By your sensation, do you feel noisy in the surrounding? Do you sneeze, and is it about the dust? You do not see the dirt air with your eyes; does it mean the air is clean and clear? Do you recognise your area as a quality one?

Goal 2 – scientifically monitor

An idiom, “To do a good job, an artisan needs the best tools.” – Technology advancement helps us to prove our hypothesis scientifically. We need to use the tools we need to successfully execute the scientific monitoring: noise meter, dust measuring device, and weather station.



Goal 3 – data analysis

Data has our story – structure or unstructured. When we could find the pattern, data will enable us to monitor the situation. We will identify factors affecting noise and dust levels through data collection, the correlation between noise, dust, and the external environment, and mitigation effectiveness.

In the 21st century, no one can leave intelligent schooling behind.

The small-scale learning environmental monitoring station empowers our next-generation leader with a fact-finding process, discovering the environment by their capability.



Facts and Figures

Human rights are highly evaluated by the watchdog in contemporary society - freedom of thought and expression, education. We do not doubt that we should safeguard our rights.

Human rights can interact with other disciplines. Dates back to the 1970s, the Stockholm Declaration on the Human Environment - Principle 1 of the Declaration writes, "Man has the fundamental right to freedom, equality and adequate conditions of life, in an environment of a quality that permits a life of dignity and well-being, and he bears a solemn responsibility to protect and improve the environment for present and future generations".

For the world economy, that statement implies the environmental protection cost; it also deduces the environmental business opportunity. Let's explore what opportunity that human rights associated with ecological protection bring to you. Remember the Universal Declaration of Human Rights #30 - No One Can Take Away Your Human Rights.

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HERE'S WHAT YOU CAN DO

..... ◆

SET UP A MINI ENVIRONMENTAL
MONITORING STATION AT SCHOOL
FOR A YEAR

Noise monitoring station

Dust monitoring station

Weather monitoring station

WITH
CONTEMPORARY
PROFESSIONAL
MONITORING
EQUIPMENT

AND A DASHBOARD

.....

CONTACT US
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..... ◆

CREATIVITY TO FURTHER DEVELOP

..... ◆

A MINI COMPETITION TO UTILISE A NOISE ABSORPTION MATERIAL WITH AESTHETICS IN MIND

Identify the noise spot at
school

Test the noise mitigation
measures suggested by the
experts

Design an aesthetic noise
control product to mitigate
the noise condition

GAME ON

Collaboration

CORPORATE LEVEL

The Intelligent Schooling program meets the following targets that corporate wants to achieve in social matters:

- 1) Human rights;
- 2) ESG Reporting;
- 4) Corporate Social Responsibility;
- 5) Sponsorship to support local environmental education toward the built environment.

Ways to support:

- 1) Promote the Matters Academy's ASA ESEA Acoustics Masters Lecture among staff, e.g., through the intranet, internal sharing via email, and through the external communication channel, e.g., corporate website;
- 2) Sponsorship of environmental monitoring devices - noise, dust, and weather station - and the dashboard;
- 3) Sponsorship of guidance to student participants and notes, and be the jury;
- 4) Sponsorship of competition material cost and the winner prize;
- 5) Corporate support through full sponsorship can nominate a target beneficiaries group (Participants with, e.g., disabilities may not be facilitated due to facilities capacity);
- 6) Corporate support program through sponsorship can name the event.

Collaboration

SCHOOL LEVEL

The Intelligent Schooling program meets the following targets that school wants to achieve in social matters:

- 1) Human rights of having a pleasant learning environment of their own;
- 2) Understanding of the built environment;
- 4) Learning the contemporary environmental monitoring measures and way of data analysis;
- 5) Learning to assess the environment;
- 6) Be knowledgeable about their environment;
- 7) Expanding students' horizons about living environment.

Ways to support:

- 1) Promote the Matters Academy's ASA ESEA Acoustics Masters Lecture among teachers, students, parents, and schools;
- 2) Participate in mini environmental monitoring station program;
- 3) Sponsor and encourage the students to join the action and the mini-competition.

Expert Talks - why environmental monitoring matters and how we do

LECTURE #1

Keeping Traffic Noise in Hong Kong – Feasible or Impossible

Maurice Yeung, ASA ESEA
English

Enroll



LECTURE #2

Noise Policies in Thailand – Case Studies

Michel Rosmolen, Geonoise
English

Enroll



LECTURE #3

Noise Assessment Practices

Franki Chiu, ARUP
English

Enroll



LECTURE #4

Industrial Noise Control – Creativity and Innovation

KK Iu, Supreme Acoustics
English

Enroll



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WWW.MATTERS.ACADEMY

Another great learning tool is what we have a misconception about – 4-dimensional virtual reality.

VR, AR is no longer just a game thing. By virtually being into the scenarios, the participants, including students of all levels, will be empowered to comprehend the content visually.

Through interplay in the VR AR scenarios, they are qualified to attend the instruction practically. Students and teachers are academically encouraged to interactive learning, more than through a novel, turning the theories learned from a book to virtual learning situations.



Real world example

Partaking in the Environmental Protection Department of the HKSAR training project, we have applied the fundamental knowledge of noise and acoustic window and balcony products in the virtual environment into digital tools to create the VR experience with sound effects. Visually being in the environment with the acoustic products installed, the user is standing at one point wearing the VR headset and holding the controller to handle the acoustic products' open or closure. The user audibly recognises the noise level differences in various scenarios; their acoustic expertise is now turning from imagining the data to a useful background experience.



news reporting about the use of 4D
VR in staff training
(https://hk.on.cc/hk/bkn/cnt/news/20190419/bkn-20190419021948831-0419_00822_001.html)



<https://www.youtube.com/watch?v=YJfGvfmMfNU>



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