

Dr. Steve Siaw Ah Eng

Doctor of Philosophy (PhD) in Environmental Science
University Honorary Fellowship

Founder/Chairman

**FUSION RESONANCE TECHNOLOGY
GROUP OF COMPANIES**

Fusion Resonance Intellectual Sdn Bhd (Malaysia)
Fusion Nano Technology(M) Sdn Bhd (Malaysia)
Fusion Quantum Resonance Technology Limited (HK)
Acelink Technologies Sdn Bhd
Germicidal Technology Sdn Bhd



In 2004, invented and formulated Nano Titanium Dioxide and Nano Silver Coating for air purification, water treatment and surface sterilization for hotel, automotive, waste water treatment and hospital industries.

Obtain a patent for converting Air-conditioning system into Air Purification system, proof to work in HK EMSD Department, Singapore and Malaysia general hospital and printing firm.

Singapore Patent No. 189823

Singapore Patent Application No. 2013008321

Malaysia Patent No. MY-171566-A

Invention: A filter and device for treating air

In 2005, was engaged by Chartered Semi-conductor to design and commission an Advance Oxidation Process System (AOP) to treat their FAB2 waste water discharge to Manhole. Project was successful and implemented.

In 2007-2009, engaged by Aroma Chemical Pte Ltd to treat high Chemical Oxygen Demand waste water (165K ppm) produced by Dupont for Teflon coating on the "sharkskin" swimwear which have out-performed other swimwear during the Olympic Sea Games. Was able to use AOP systems to treat waste water in 30 mins.

In 2011, invented and formulated Nano Liquid Glass to be coated on glass surfaces including both external and internal glass, aluminum cladding.

In 2011, formulated Nano-X Shoe Odour Remover for Amway Singapore (Personal Item).

In 2012, invented and formulated World First Nano Silver Liquid Glass to be coated on mobile phones, tablet, monitors and TV screens. OEM Brand: NanoGuard, Glasern, Glieks, Wipe on Armor etc.

In 2013, invented and formulated World First Resonance Nano Silver Liquid Glass and Resonance Titanium Dioxide coating for Reduction of Electro-Magnetic fields in mobile phones and IT gadgets that emits EMF. OEM Brand: Nano X-shield, OXO Universal Liquid Screen Protector etc.

In 2015-2016, invented and formulated World First Resonance Nano Copper Liquid Glass phone sticker to prolong Battery Talk Time and reduce heat generated within the mobile phone. OEM Brands: Battup, JiaDianMo.

Latest Invention, using Resonance Nano Silver & Copper Liquid glass (QAHE) to realign Electrons in electrical cables and electrical switch boards, to reduce cable resistance to achieve 10-25% savings.

Submitted 2 nos. PCT International Application for QAHE Energy Savings Coating.

- 1) PCT International Application No. PCT/SG2015/000126
dated 19th May 2015
Invention: A composition for optimizing Energy Usage.
- 2) PCT International Application No. PCT/SG2015/000127
dated 19th May 2015
Invention: A method for optimizing Energy Usage.

In 2016-2017, **Quantumex Nano Titanium Dioxide & Silver Resonance Coating**

Use for air purification, and surface sterilization/sanitization
Industries : Hotel, Automotive, Waste water treatment and Hospital.

In 2017-2018, **Quantum Tesla Energy, Negative Ion & Far Infrared Coating**
To promote well being & blood circulation of human body, restructuring of water, fuel & air molecule.

In 2018-2019, **Quantum-Ion[®] & NanoG[™] Nano Platinum, Nano Ceramic, Titanium Dioxide & Silver Resonance Coating.**

Use for air purification, and surface sterilization/sanitization
Industries: All Indoor Environment Space.

Quantum-Ion Generator Patch

It releases Negative Ion. Use in Air-conditioning Split Unit, Fan Coil Unit, Air Handling Unit, Fan, Diffuser & Grilles.

Using FIR to eliminates pathogens in Skin Care Products

Infused FIR frequency into skin care products to eliminates pathogens.

In 2020, **Fusion Resonance Non-Contact Killing Film**

It releases Resonance frequency from the adhesive from the underside of PE/Polyester film to shattered pathogens that get in contact with the film surface.

In 2021, **Fusion Resonance Long Lasting Hard Coating for High Touch Surfaces**

Is a hard coating comprising of TiO₂ and Negative ion that can withstand thousand times of abrasion. It releases Resonance frequency from the surface of the coating to shattered pathogens.

Fusion Resonance Technology Plus+

A disinfectant spray that can eliminates germs and stimulates blood circulation to boost energy level of human body.

Singapore Patent No. 11201709479V

Date of Grant: 23th Jan 2020

Invention: A method of optimizing energy usage

Submitted PCT International Application No. PCT/MY2020/050117 dated 23 October 2020 for Resonance Antimicrobial Coating.

Submitted Malaysia Patent Application No. PI2021006799 dated 16 November 2021 for An Optimization Method To Achieved Energy Saving.

Submitted Hong Kong Utility Model Patent Application No. 32021042633.6 dated 17 November 2021 for An Optimization Method to Achieved Energy Efficiency.

Submitted Malaysia Patent Application No. PI2021007209 dated 2 December 2021 for An Antimicrobial Disinfectant Composition For Air Diffusion For Use In An Air Diffuser.

Submitted PCT International Application No. PCT/MY2022/050021 dated 8 April 2022 for An Apparatus For Surface and Air Disinfection (Germicidal Film Technology on Lighting Device)

Submitted PCT International Application No. PCT/MY2022/050022 dated 8 April 2022 for An Apparatus For Disinfecting a Target Surface or Air (Germicidal Coating Technology on Lighting Device)

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