

| SG ENVIRO Pte Ltd

Transforming Industrial Wastewater problem into Opportunity in Southeast Asia

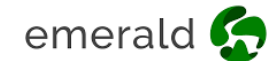
Presenter: Guah EH



Our Offices



Our Partners:



Our Track Record



Jurong Rock Cavern

Design & Build of a 6,000m³/d wastewater treatment plant using AOP Technology (Phenol, Sulphide & COD)



Banyan Cavern Storage Services

O&M for Wastewater Treatment Plant



Seng Choon Egg Farm

Retrofitting of an Anaerobic Digester Plant



Batam Slop & Sludge Treatment Centre

Design & Build of a WWTP for spent caustic plant using AOP Technology



Regulatory compliance

Recycled water

Peace of mind

Our Capabilities



In-house R&D and Engineering



- Advanced in-house lab for treatability testing and performance validation.
- Innovative engineering team creating maintainable designs with proven technologies.
- Collaborations with top R&D centers to accelerate innovation and implementation.



Design & Build



- End-to-end process and detailed engineering
- Project management to deliver on schedule, quality and safety
- Maintainability-by-design: access, modularity, and spares strategy
- O&M readiness: SOPs, spares list and operator handover



Operations & Maintenance

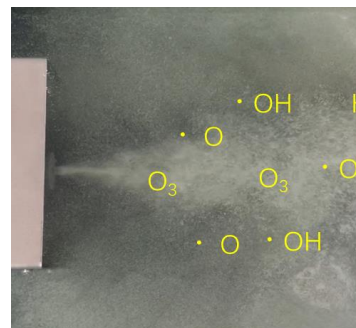
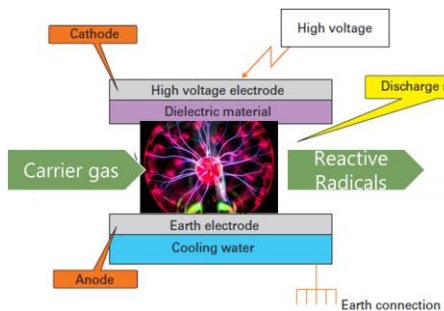
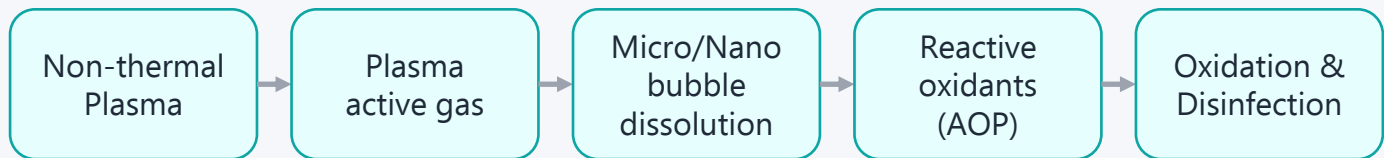


- Full-fleet O&M team for preventive maintenance and day-to-day operations
- Compliance monitoring and reporting
- Stock of chemicals, consumables and
- Spare parts management

Our Technology

Proprietary non-thermal plasma-assisted AOP — developed in-house for difficult-to-treat water/wastewater

How it works



Versatile Applications

Organic destruction / Colour destruction / Disinfection

Groundwater remediation | Surface water decontamination | Drinking water disinfection | Mining & drilling | Oil & Gas | Electroplating | Printing and packaging | Textile and Dyeing |

Project References



Printing and packaging wastewater treatment

- Design & build
- 3 m³/d
- TSS/Color/COD/heavy metal removal



Petrochemical Wastewater treatment

- 6,000 m³/d
- TSS/Phenol/H₂S/COD/Oil



Black Smelly Water Treatment

- 200m river
- Color/odour/DO/H₂S removal



Detoxification for gold mining wastewater

- 3,000 m³/d
- TSS/Cyanide removal

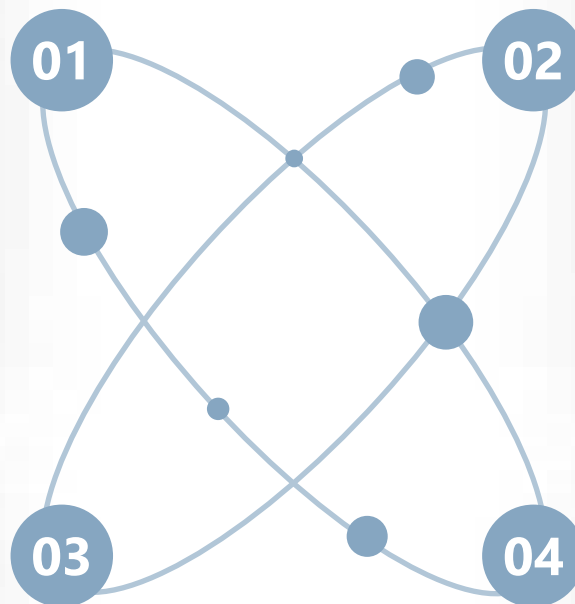
Our Focal Areas

Plasma-Nano Advanced Oxidation Process

- In-house proprietary non-thermal plasma AOP technology for treating difficult-to-treat wastewaters
- Versatile Solutions to treat diverse industrial wastewater.

Sludge Dewatering and Drying Solution

- Energy-efficient low temperature sludge drying solution.
- Low sludge handling and disposal cost



Wastewater Reclamation

- From Sewage to reclaimed water
- From Industrial effluent to on-site recycling
- Effectively minimize liquid discharge and recover valuable resources.

Biogas Generation and Energy Recovery

- Waste-to-Energy solutions that transform organic wastewater and sludge into renewable biogas.
- Energy recovery systems to reduce operational costs and carbon footprint.

Our Value Proposition

Dependable Partner delivering

Quality Services

Your Wastewater Problem

Our Responsibility

Q&A

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