

# BIOTECH SYSTEM

## 生科系統

### 公司簡介

大成環境科技拓展有限公司為新創建集團成員，發展高科技項目及新產品，其優勢在於把高新科技應用於快速增長的環保市場，並提供全面性服務以配合客戶所需。

### 「生科系統」簡介

「生科系統」為本公司所發展的其中一項一體化配套技術，設計是針對室內空氣質素 (IAQ) 及各種臭味問題。此系統綜合了生物科技制劑之研製及其應用技術，用以消滅空氣中有危害性及產生臭味的污染物，同時可抑制有害細菌之繁殖和滋生。「生科系統」經過完整及嚴格的毒性試驗，並已被鑑定為對環境及人體健康無害，對解決室內空氣質素及臭味問題提供一個理想的「綠色」方案。

### 「生科系統」- 硬件

微生物制劑能發揮最強之效能，有賴於一套特別設計的噴霧系統並配合電腦程式的監控，藉以產生極微細及無濕狀之霧化效果，霧化後的微生物制劑即可應用於處理室內空氣質素。

### 「生科系統」- 軟件：微生物制劑

微生物制劑包括五大類及超過一百種的有益微生物，利用高級生物技術的方法，令多種微生物混合共存於一培養基中，而這些有益微生物均為大眾所熟識，當中包括乳酸菌。

### Company Profile

*Environmental Pioneers & Solutions Limited (EPS)*, a member of New World Services Holdings Limited, has been established as a high-tech company to develop and commercialize innovative technologies to meet the rapid growth of environmental business.

### Introduction to "BioTech System"

The BioTech System is developed as a comprehensive package specifically designed to solve Indoor Air Quality (IAQ) and odour problems. The system capitalizes on a biological agent, coupled with an application and dosing system to remove hazardous and odorous pollutants in the air by biologically degrading the organic pollutants and inhibiting the proliferation of pathogenic bacteria. Complete and rigorous toxicological studies have been conducted to certify that the BioTech System is environmental friendly and harmless to human health. BioTech System provides a real "GREEN" solution to the up-tight IAQ and odour problems.

### "BioTech System" - Hardware

The optimum effectiveness of the biological agent is ensured by the use of specifically designed dosing equipment, which is a programmable nozzle system that creates an ultra-fine and non-wetting mist. The biological mist would then be introduced to the premise directly.

### "BioTech System" - Software: Biological Agent

This is a novel blend of beneficial microbial consortium of five genera and over a hundred species. These microorganisms include those that may be familiar to the general public, such as *Lactobacillus*, etc.



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新創建集團成員

**應用範圍**  
 產生惡臭之環境/ 垃圾收集站/ 垃圾槽/ 隔油池/  
 污水處理系統/ 廢物轉換站, 等

**服務範圍**

實地考察及專業設計/ 供應及安裝「生科系統」/  
 添加微生物制劑/ 系統保養及維修/ 空氣質素評估/  
 現場取樣及測試/ 專業顧問服務/ 環境監測及評估/  
 緊急服務熱線



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**「生科系統」除臭工程之項目記錄**

1. 數十個公共屋苑/ 商場垃圾收集站
2. 灣仔商業大廈 - 垃圾房及隔油池
3. 沙田飲品加工廠 - 垃圾收集站
4. 金鐘酒店 - 垃圾收集站
5. 柴灣住宅 - 兩個垃圾收集站及一個隔油池
6. 香港仔大型商場 - 垃圾站及隔油池



**Application Areas**

Extremely odorous environments/ Refuse collection stations/ Refuse chutes/ Grease interceptors /Sewage treatment systems / Pumping stations/ Refuse transfer stations, etc.

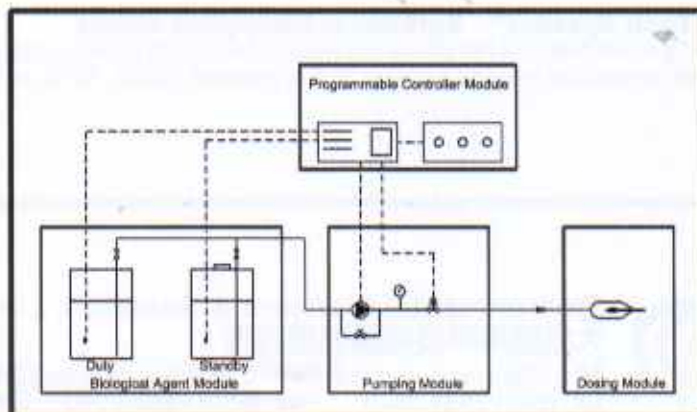
**"BioTech System" Odour Abatement – Project References**

1. A number of refuse storage areas in public housing estates / shopping centres.
2. Refuse room and grease interceptor room in a commercial building in Wan Chai.
3. Refuse collection chamber in a beverage processing plant in Shatin.
4. Refuse collection chamber in a hotel in Admiralty.
5. Refuse collection stations and grease interceptor in a private residential estate in Chai Wan.
6. Refuse collection station, grease interceptor in a shopping centre in Aberdeen.



**Scope of Services**

1. Site visit and system design
2. Supply and installation of the system
3. Refill of biological agent
4. Maintenance services of the system
5. Air quality and odour assessment
6. Air sampling and testing
7. Consultancy service
8. Environmental monitoring and audit
9. Emergency service hotline



Schmaetic Drawing of BioTech System 生科系統示意圖