



**YEŞİL GRUP
ENERJİ**

protects your environment





Yeşil Group Energy company was established in Istanbul in 2019 to serve with its expert staff in the fields of electricity and technology. Our company, which was established with a staff that has been serving for many years in the electricity, energy and contracting sector, subsequently became the dealer of Bak-Tek, which provides technological solutions for environmental problems.

Working with Bak-Tek, which is engaged in R&D activities on environmental problems in our country, it continues to solve the problems of your businesses with the latest technology and the most appropriate cost.

MISSION & VISION

The increasing consumption culture in the world causes the resources to decrease rapidly, but the most important issue that arises is to reuse waste products at the most affordable cost. In this context, the aim of our company is to provide waste water to the service in the most efficient and usable way.

Our company continues its activities both in our country and abroad by providing high efficiency with technological products for environmental problems.

DAMAGE OF WASTE OILS TO THE ENVIRON MENT



It causes it to become unusable by being mixed with fresh water sources through groundwater. 1 liter of waste oil pollutes 1 million liters of water.

It covers the surface of the waters and prevents oxygen transfer from air to water. Over time, they deteriorate in the water, accelerate the depletion of oxygen and cause the dying of the aquatic creatures.

In case of pouring into the sink, it causes narrowing of the usability volume of the pipe and blockages.

It increases the operational cost of water treatment plants by increasing the pollution intensely and quickly.

TREATMENT TYPES

PHYSICAL TREATMENT

It is the process of separating wastewater from contaminants by physical processes. Applications; gratings, sieves, sand traps, flotation systems, settling pools, balancing pools.

CHEMICAL TREATMENT

It is a purification process made by sedimentation of the substances in the waste water with their chemical products and turning them into sludge.

BIOLOGICAL TREATMENT

Biological treatment is the process of removing wastewater and dissolved organic matter in the soil by decomposition by bacteriological activities (bioremediation). In nature, these bacteria are not part of the ecosystem.

ADVANTAGES OF BIOREMEDIATION

- ✓ It is natural and harmless to the environment.
- ✓ It can be applied in soil and water.
- ✓ It can be applied directly to the contaminated area.
- ✓ After the process, harmless products such as CO₂ and Water are formed.
- ✓ Waste can be largely separated.
- ✓ It reduces mud formation.



PROBLEMS ENCOUNTERED IN THE CURRENT SITUATION



It doesn't treat 100%, it is **temporary solution**.

They cause bad smell.

Over time, **they become clogged again**.

It is a waste of time and money **with ineffective mechanical applications such as vacuum trucks etc.**



SEPTIC



CASTIC AND
SULFURIC ACID



GREASE
TRAP




SYSTEM
CONSIDERATIONS
Low flow systems





BAD ODORS





MUNICIPAL AUDITS
Environmental pollution requires
money penalty.


- 

1 BioGuy produces the bacteria necessary for bioremediation.
- 

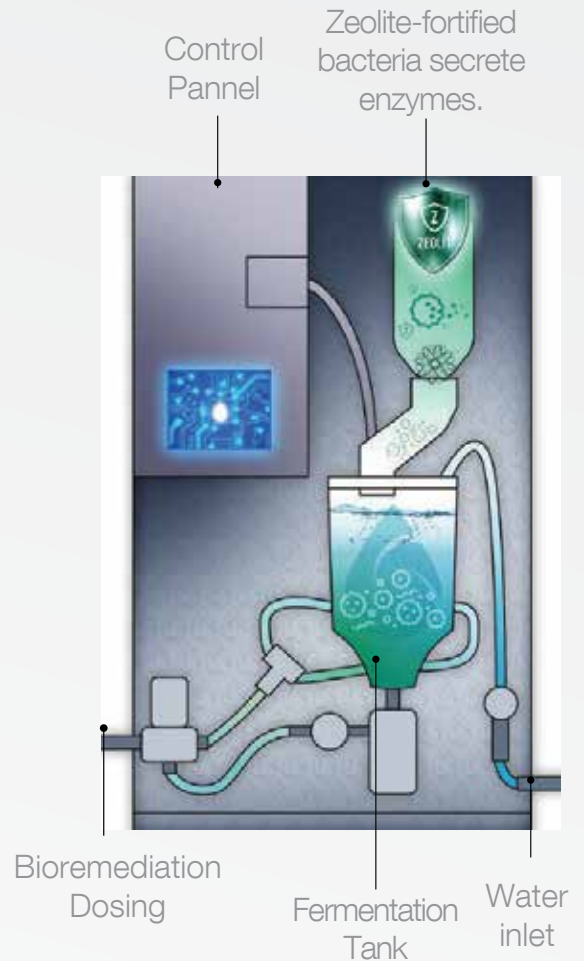
2 Zeolite-fortified bacteria secrete enzymes.
- 

3 These enzymes break down fats, sugar, and starch.
- 

4 The decomposed organic waste feeds BioGuy bacteria.
- 

5 Bacteria release water and carbon dioxide outside.
- 

6 Bacteria multiply and continue cleaning.



BIOGUY BACTERIA

It is produced daily. **It is 100% Environmental ally.** It is equally effective in soil and water.

It is effective in a wide temperature and pH range. It reduces BOR (Biological Oxygen Requirement).

Reduces COR (Chemical Oxygen Requirement). Eliminates bad odors.

Reduces Suspended Solids. Reduces Oil and Grease.

Clarifies waste water. Neutralizes pH. **It reduces mud formation.**



ADVANTAGES of **Bioguy**

Thanks to its compact design, it can be mounted on the wall and eliminates the need for extra space for purification, and provides easy installation and use thanks to its touch panel.

It does not need an operator and if desired, it can be monitored remotely over the Internet.

Bacteria are produced in BioGuy and delivered to wastewater systems in the most active and alive form, so their cost is low.

To increase the amount of bacteria and efficiency, the zeolite was removed in 100% natural and Turkey have developed a tablet formulation, so that it is the first in the world.

Biological products are often using wrong depending on human.

BioGuy provides purification by determining the optimum duration depending on the life scenario of the facility where it is located.

PIPELINE TO SHOPPING MALL'S OIL TRAP

BioGuy offers natural solutions to blockages caused by oil and other organic wastes in pipe systems in shopping centers and other social living areas.



BEFORE BioGuy



AFTER BioGuy

SHOPPING CENTER PIPELINE



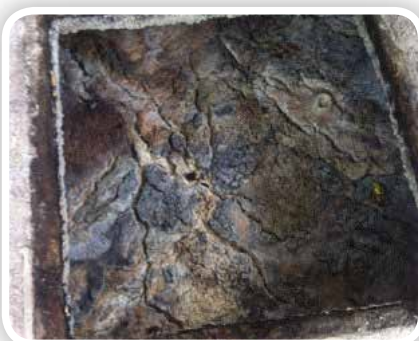
BEFORE BioGuy



AFTER BioGuy

CHEESE PRODUCER OIL TRAP

BioGuy offers natural solutions to organic waste originated odor, congestion and environmental pollution in oil trap and other waste water collection areas.



BEFORE BioGuy



AFTER BioGuy

OUR OTHER ENVIRONMENTAL PRODUCTS



BIOGUY REFRESHER BIOLOGICAL ODOR REMOVAL AND CLEANING

BioGuy Refresher quickly neutralizes or eliminates odors without the need to use dangerous chemical oxides or mask tools. BioGuy Refresher is a special product that eliminates odors with expert bacterial species with its biological effective formula. It decomposes bad odors into its organic compounds with selective adaptation bacteria. It provides relief quickly with its neutralizing effect. Contains special ingredient to stimulate microbial activity. BioGuy Refresher destroys the organic source of odors through decomposition and interaction.

BIOGUY REFRESHER USAGE AREAS

BioGuy Refresher provides excellent performance with a special bacterial formulation design for all applications that can be a source of bad odor. The food wrapped around the use item removes the grill odors and the odors after smoking, the slippers and the smell of shoes. In animal, pet shelters, garbage collection areas, restaurants, flood and fire odors, garbage solidification operations, drying garbage beds, garbage collection containers, poultry, dairy, solid waste fields, organic fertilizers, food establishments etc. used to remove bad odors.



BIOGUY ENZYME PLUS OIL HOLDER AND BIOLOGICAL OIL REMOVER FOR DRAINAGE LINE

BioGuy Enzyme Plus is used in biological applications in oil trap and drain lines. Consortium of the effects of the microbiological mixture is used in dissolving stubborn organics such as biologically oil. It does not damage oil traps and pipes, it is environmental ally. It does not contain caustic and acidic oil solvents. It contains biodegradable enzymes, its structure does not build up in nature and its usage areas.

BIOGUY ENZYME PLUS ADVANTAGES

It separates protein, carbohydrates and fats with a unique biological consortium for drainage lines and oil trap applications. A regular. With the application, it decreases oil clogging and provides drainage flow, eliminates odors in drainage lines and oil traps.

BIOGUY ENZYME PLUS USAGE AREAS ACTIVITY

Leaves odor-repellent, long-lasting deodorizing effect. It prevents the formation of unwanted biological odor caused by the components such as hydrogen sulfide and as a result of volatile and sour smells of septic and its surrounding fatty acids. It provides direct odor control.

The microbial mixture decomposes the volatile bad odors in the fatty acid offered by the anorabic or septic environments and controls the odors. Its unique flowable biological formulation replaces environmentally hazardous cleaners.

OUR CERTIFICATES

İSTANBUL TİCARET ODASI **YERLİ MALİ BELGESİ** **TOBB**

Belgenin Veriliş Tarihi : 18.12.2015 Belgenin Geçerlilik Tarihi : 18.12.2016 Belge No : 201510465476
 Üretici Ünvanı: BAKTEK ÇEVRE TEKNOLOJİLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ

İşyeri Adresi: ÇAMLIK MAH.GÖNÜLDEN SK.13/B ÜMRANİYE/İSTANBUL

Üreticinin Vergi Kimlik No.: 1330378251 TC Kimlik No.: Merkezî Sicil Kayıt Sistemi No.: 0133037825100014

Telefon : 216-5947727 Faks : 216-5947727 e-posta: web adresi: www.bak-tek.com

Ticaret Sicil No : 980871 Oda/Borsa Sicil No : 9808710

Ürün Adı: Atıksu Arıtma Cihazı
 Ürün Kodu (PRODCOM/GTIP): 28.29.12.30.00-Filtrelama veya arıtma makineleri ve cihazları, su için /
 Teknik Özellikleri :
 ürünün özelliğine göre varsa;
 Marka adı : Modül :
 Seri numarası : Cinsi : Atıksu Su Arıtma Cihazı

Kapasite Raporunun Tarihi : 11.11.2015 No : 24115 Geçerlilik Süresi : 11.11.2017
 Sanayi Sicil Belgesinin Tarihi : 16.11.2015 No : 681829

Yerli Katkı Oranı (Taahhütnamede belirtilen oran yazılacak) : % 76,03

Ürünün Teknolojik Düzeyi (düşük/orta-düşük/orta-yüksek/yüksek)(Eurostat) : orta-düşük

Gıda İşleme kayıt veya onay belgesinin Tarihi : No : Geçerlilik Süresi :
 Cıfırlı Kayıt Sistemi Belgesi veya Gıda, Tarım ve Hayvancılık Bakanlığının ilgili Kayıt Kayıt Belgesi
 (Ortali Kayıt Sistemi ve benzeri)
 Tarihi : No : Geçerlilik Süresi :
 Müstahsil makbuzu veya faturanın Tarihi: Seri No:
 Maden Ruhsatının Adı: Tarihi: Cinsi: Grubu ve Numarası:
 Diğer bilgi ve belgeler (Kullanılan hammaddenin menşei vb):

İşbu belge Bilim, Sanayi ve Teknoloji Bakanlığı'nın 13/09/2014 tarih ve 29118 sayılı Resmi Gazetede yayımlanan "Yerli Mali Tebliği (SGM 2014/35)"ne istinaden ve TOBB tarafından hazırlanan "Yerli Mali Belgesinin Düzenlenmesi Uygulama Usuluna" göre 18.12.2015 tarihinde düzenlenmiştir. Belgenin geçerlilik süresi veriliş tarihinden itibaren bir yıl geçerlidir.

Düzenleyen Oda/Borsa
 İSTANBUL TİCARET ODASI

Ticaret Bakanlığı Koordinatörü

SEAL OF EXCELLENCE **European Commission**

Certificate delivered by the European Commission, as the institution managing Horizon 2020, the EU Framework Programme for Research and Innovation 2014-2020

The project proposal **828249, BioGuy**

THE WORLD'S MOST EFFECTIVE and SMART BIOREMEDIATION TECHNOLOGY

Submitted under the Horizon 2020's SME instrument phase 1 call H2020-EIC-SMEInst-2018-2020 (H2020-SMEInst-2018-2020-1) of 3 May 2018 in the area of EIC-SMEInst-2018-2020

SME instrument
 by
BAKTEK ÇEVRE TEKNOLOJİLERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ
 YUKARI DUDULLU MAH. TANDOGANAY SK. NO: 11/3 ÜMRANİYE
 34775 İSTANBUL
 Turkey

following evaluation by an international panel of independent experts

WAS SCORED AS A HIGH-QUALITY PROJECT PROPOSAL IN A HIGHLY COMPETITIVE EVALUATION PROCESS*

This proposal is recommended for funding by other sources since Horizon 2020 resources available for this specific Call were already allocated following a competitive ranking.

* This means passing all stringent Horizon 2020 assessment thresholds for the 3 award criteria (excellence, impact, quality and efficiency of implementation) required to receive funding from the EU budget Horizon 2020.

Corina Crețu, Commissioner for Regional Policy
Carlos Moedas, Commissioner for Research Science and Innovation

Brussels, 26/06/2018

TOYOTA

TOYOTA OTOMOTİV SANAYİ TÜRKİYE A.Ş.

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BAK-TEK ÇEVRE TEKNOLOJİLERİ SAN. VE TİC. A.Ş.
 Yukarı Dudullu Mah. Tandoğanay Sok.
 No:11 K:3 Ümraniye/İstanbul

Tarih: 27.04.2018
 Ref. No: FEO-024-18

Konu: BAK-TEK ÇEVRE TEKNOLOJİLERİ SAN. VE TİC. A.Ş.

Toyota Otomotiv Sanayi Türkiye A.Ş. bünyesinde yer alan yemekhane yağ tutucuları için, devreye aldığınız ve devam etmekte olan Biogay teknoloji uygulamaları başanlı bir şekilde yürütülmektedir.

BAK-TEK ekibine çalışmalarından dolayı teşekkür ederiz.

BX-9
 TOYOTA OTOMOTİV
 SANAYİ TÜRKİYE A.Ş.



İNCELEMELİ PATENT

No: TR 2012 06560 B

Buluş Başlığı

Uzaktan merkez kontrollü ve otomatik biyoremediasyon sistemi.

Patent Sahibi

ALP TAŞAN

Bu patent, 6769 sayılı Sınai Mülkiyet Kanununun Geçici 1 nci maddesi uyarınca Mülga 551 sayılı Patent Haklarının Korunması Hakkında Kanun Hükümünde Kararname kapsamında 05/06/2012 tarihinden itibaren 20 yıl süre ile korunmak üzere 21/03/2019 tarihinde inceleme olarak verilmiştir.

H. Asan
 Prof. Dr. Halilpa ASAN
 Başkan



İkitelli OSB. Mah. Giyim Sanatkarları Sitesi 4B Blok 4. Kat No: 409/1

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