

## Don't Let Birds Run the Show at Your Landfill



## Dealing with Birds in Landfills

It's no secret that the presence of birds at landfills can lead to a multitude of problems ranging from environmental contamination to operational disruptions.

These issues can differ in severity, but one thing's clear: birds and landfills don't mix well.



Gulls are protected birds and cannot be repelled using sticky repellents or any product that causes harm or injury which makes solutions many and varied however so are results along with cost.

Some people resort to Reflective Devices which are ineffective in low wind or shady areas and it does not take long for seagulls to become habituated to them.

Thin "spider legs" have been tried but gulls are too large to be intimidated by these and have no problem pushing them aside and laying eggs right underneath them.

And none of these products have any application for Landfills where such large open areas need to be protected.

However today there is a tried and proven solution as a seagull scarer and that is to make use of one of the world's greatest predators.

# The Peregrine Falcon



**Peregrines are bird predators, feeding almost exclusively on other birds.**

**Most of their prey is caught in the air as the falcon locates its prey and then dives at speeds that exceed 200MPH.**

**They are the fastest animals on earth and grow to about the size of a crow.**

**Couple this airborne agility with the fact that they are the most widely distributed bird of prey in the world and you have an animal that is recognized and feared by virtually every bird species on the planet**

**Hardly surprising then that birds such as gulls recognize an airborne falcon from a long way off and give it a very wide berth. This is the strategy that went behind the design and manufacture of a state-of-the-art and remarkably efficient solution to effectively manage the persistent bird-related challenges at beaches.**

**These advanced systems offer a cost-effective and humane approach to bird control, effectively mitigating the numerous issues associated with avian populations.**

# Introducing Bird Control Helikites



**Through the implementation of Bird Control Helikites and FalconFrightKites, beach authorities, and operators can take proactive measures not only to ensure a safer and more enjoyable beach experience for visitors but also to contribute to the preservation of the coastal environment.**

**Combining Helikites with Falcon FrightKites is a highly effective approach to eliminating birds from the beach.**

**Falcon FrightKites have a lifelike appearance and mimic predatory birds, which instills fear in nuisance birds and encourages them to leave the area.**

**When you need more extensive coverage, Helikites come into play. These versatile systems can soar to greater altitudes, providing better coverage across the landfill.**

**For instance, a 42ft Falcon Kit can reach a height of 82ft. Helikites take it a step further by flying at 200ft, making them a valuable addition to your bird control strategy.**

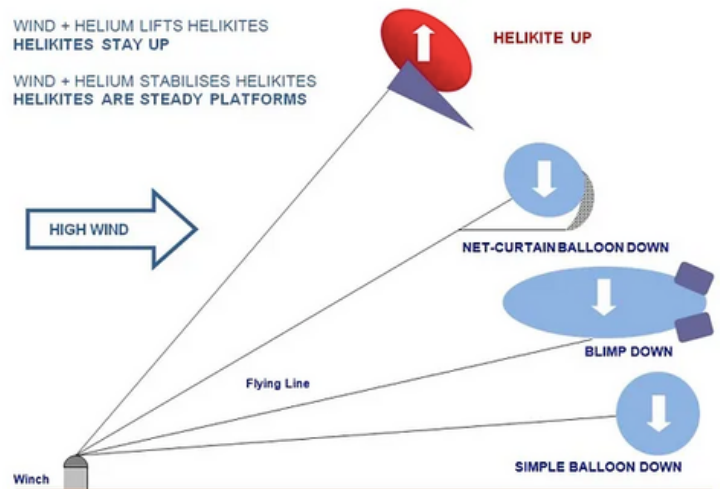
**By using a combination of Falcon FrightKites and Helikites, you create a bird-repelling barrier that is impossible for seagulls to overcome.**

**This high-low method increases the area coverage and ensures that birds are reluctant to fly between the kites, making bird control measures more effective overall.**

# What are Helikites?

A Helikite is a hybrid of a helium balloon and a kite, designed to utilize both helium and wind for lift.

This unique aerostat is engineered to provide stability in high winds where other aerostats and drones fail



Similarly to a balloon, the Helikite is lighter-than-air. However, unlike a normal balloon, it doesn't get knocked down by the wind. Winds do the opposite to a Helikite, they force it powerfully upwards.

Normal kites get pushed up by the wind but come down if the wind changes/reduces in strength too much, or if it gets too strong for their adjustment.

Helikites can fly to great heights in no wind and then catch any breezes that may exist at altitude. They can then use that breeze to fly many thousands of feet high with ease.

The balloon used by Helikites is fat and rounded, which is essential to provide good helium lift (about twice that of a comparably sized blimp). It also ensures that changes in temperature affect the Helikite as little as possible. Most balloons that are shaped to fly like kites collapse when they hit cold air due to the shrinkage of the gas inside and consequent loss of pressure needed to retain their shape.

This is not a problem with Helikites, so they are far more reliable.

Nothing else in the world has as many beneficial flying characteristics.

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# What are FalconFrightKites?



**Falcon FrightKites are an exceptionally effective solution for addressing the issue of pest birds in various environments, including beaches. These kites are designed to mimic the presence of predatory birds, instilling fear in nuisance birds and encouraging them to vacate the area.**

**What sets Falcon FrightKites apart is their lifelike appearance, resembling that of a real falcon.**

**Made from highly UV-resistant materials the lightweight Frightkite will start to fly in as little wind as 2MPH.**

**With realistic features, including coloring, wings, feet, tail, and piercing eyes, these kites strike terror into the eyes of pest birds.**

**Their innovative design allows them to self-launch and patrol the skies, effortlessly simulating the hunting behavior of actual falcons.**

**Falcon FrightKites are easy to assemble.**

**Attaching to a 42-foot aluminum sectional pole, the Frightkite can be launched automatically when the wind blows and can reach a height of over 80ft, clearly visible to gulls for miles around.**

**Additionally, these kites are durable and weather-resistant, ensuring their effectiveness even in adverse conditions.**

**Importantly, Falcon FrightKites are bird-friendly and do not harm the birds, offering a humane solution to pest bird problems.**

# Why Bird Control Helikites and FalconFrightKites?

## The Best Seagull Deterrent on the Market

When it comes to seagull deterrence, Falcon FrightKites and Bird Control Helikites stand out as the best seagull deterrent on the market. The Falcon FrightKite, a universal Seagull Scarer, is not only incredibly effective but also user-friendly, making it the ideal choice for bird control. It excels in deterring a variety of unwanted birds, including pigeons, seagulls, crows, rooks, and geese. However, for situations requiring more extensive coverage, like the beach, the high-low Helikite FrightKite system comes into play.



(Helikite Patrolling a Landfill)

The higher the kite or Helikite soars, the more comprehensive the coverage it provides. For example, a 42ft Falcon Kit can reach heights of 82ft, while Helikites take it a step further by flying at 200ft. By combining Falcon FrightKites and Helikites, you establish an insurmountable bird-repelling barrier. This high-low method not only expands the coverage area but also ensures that seagulls are hesitant to fly between the kites. The result is an extraordinarily effective bird control strategy that guarantees seagulls are kept at bay, securing their status as the ultimate seagull deterrent on the market.

# Effective Habituation Mitigation



(Landfill Before Using Bird Control Helikites )

Birds are unpredictable and planning for them is very difficult. The scientifically designed, patented Helikite and FalconFrightKite is the first and one of the best bird control systems that really works well over a long period of time because wild birds find it extremely difficult to overcome the innate terror of predatory hawks that Helikites create, setting them apart from audible or static deterrents.

Before Helikites and FalconFrightKites were invented, bird control had always been a hit-or-miss affair, with old-fashioned scarecrows or even the more modern bangers and wailers giving very variable protection.

This made it impossible for landfill operators to rely on them for long. Helikites' and FalconFrightKites exceptional performance in habituation mitigation is a crucial asset for landfill sites as it ensures long-term and sustained effectiveness in deterring birds.



(The Same LandFill After Using Bird Control Heilkites)

# Cost-Effective and Sustainable

Helikites and FalconFrightKites are a highly cost-effective solution that provides long-term control for bird-related challenges at landfill sites.

Their efficient helium usage minimizes operational costs while ensuring sustained effectiveness in deterring birds.



Unlike some conventional methods that require frequent maintenance and replacement, Helikites and FalconFrightKite are designed for durability, reducing the need for constant reinvestment.

Their ability to fly in various weather conditions, including rain, ensures uninterrupted bird control, eliminating the downtime associated with other bird deterrents

## Silent and Eco-Friendly

Helikites and FalconFrightKite are a silent and eco-friendly method for effectively controlling birds at landfills.

Unlike noisy alternatives, Helikites operate quietly, eliminating any concerns of noise-related complaints from the surrounding community.



Moreover, they rely on helium instead of explosive gases, making them environmentally conscious and safe.

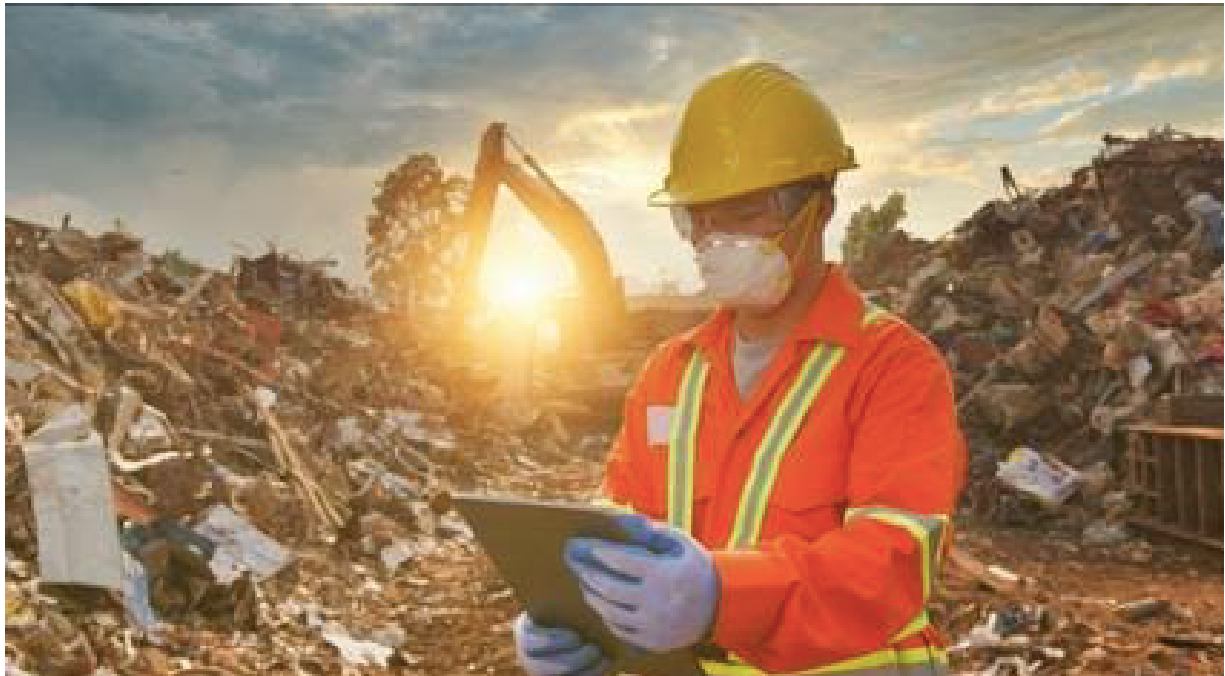
This quiet and eco-friendly approach not only ensures minimal disturbance to both landfill workers and nearby residents but also contributes to the overall well-being of the environment.



# The Importance of Bird Control at Landfills

Landfills play an indispensable role in our urban landscape, but they inadvertently become havens for pesky bird populations. The problems associated with birds at landfills are diverse and significant, including:

## Health and Safety Hazards for Workers



**Birds in the workplace present a range of hazards.**

**Their aggressive, hungry, and noisy behavior can create a hazardous working environment, potentially causing distractions, accidents, and reduced overall safety.**

**Moreover, the presence of bird feces poses risks to respiratory health, as it contains harmful spores that workers may inhale, leading to respiratory problems and facilitating the spread of diseases within the workplace.**

**Birds and their fecal matter can also carry more than 60 transmissible diseases, some of which can be fatal to humans, exposing landfill workers to significant health risks.**

**Additionally, birds can carry ectoparasites, parasites that live on their hosts' exteriors, and these ectoparasites can transfer to workers, adding to the health threats associated with avian presence.**

# Equipment Damage and Degradation



**Birds can have a substantial impact on the condition of equipment frequently present in junkyards and landfills. The consequences of their presence extend beyond the surface, as their activities contribute to the gradual deterioration and damage of essential structures and machinery.**

**The accumulation of bird debris, consisting of feathers, nesting materials, and assorted detritus, can clog machinery components, air intakes, and vents. This impedes the equipment's functionality, reduces efficiency, and increases maintenance costs.**

**Moreover, the corrosive nature of bird droppings can erode the surfaces of equipment, causing long-term damage to metal structures and protective coatings. Over time, this corrosion can compromise the structural integrity of vital components, potentially leading to costly repairs or replacements.**

**Nesting activities, although seemingly innocuous, can also pose risks.**

**Birds constructing nests within machinery and equipment can inadvertently block moving parts or disrupt electrical systems, resulting in malfunctions or breakdowns. The need for frequent removal of nests adds to operational downtime and maintenance expenditures.**

# Environmental Hazards



**Birds play a significant role in exacerbating environmental hazards around landfills.**

**They transport discarded trash from these sites to nearby water sources, thereby posing a grave threat to both humans and wildlife in the vicinity.**

**Furthermore, the chemical composition of bird droppings, which includes elements like nitrogen and phosphorus, can further contaminate these water sources.**

**As these elements accumulate in the water, they contribute to the rapid growth of algae, leading to eutrophication—a process that depletes oxygen levels in the water, causing harm to aquatic life and making water treatment challenging.**

**This has far-reaching consequences for aquatic ecosystems and the overall health of the environment.**

# Impact on Birds Including Endangered Species



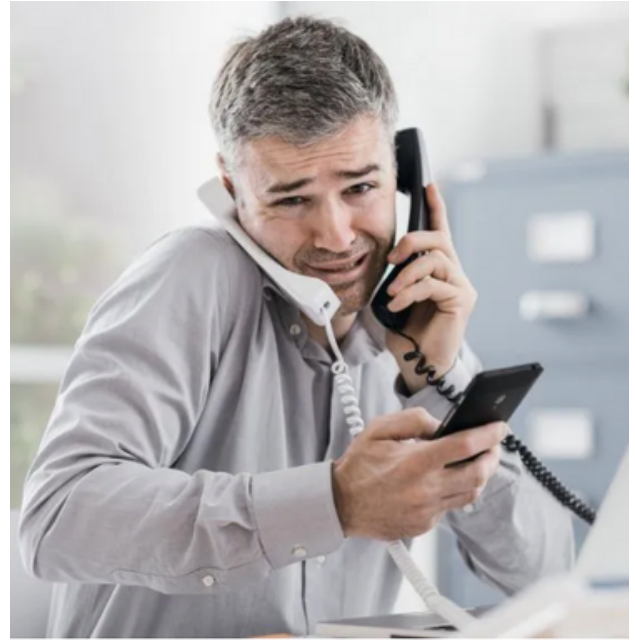
**Birds that consume waste from landfills, which can include harmful materials like plastic, aluminum, and drywall, are at risk of serious harm. While some birds, like gulls, can expel ingested materials, others lack this ability and suffer as a result.**

**The abundance of food at landfills has led to changes in migratory patterns, with some birds choosing to nest closer to these hazardous sites.**

**This can result in chicks disregarding traditional migration behaviors in favor of nesting and feeding near landfills. Endangered birds, including Bald Eagles, are also attracted to landfills due to the easy access to food sources. This poses a unique challenge for the conservation of these majestic species and may even result in fines for potential injuries caused to these animals on the premises.**

# Community Complaints

The presence of birds around junkyards and landfills can lead to significant community complaints as these avian creatures disturb nearby residents by flying overhead and scattering debris. Birds becoming too comfortable with human presence in these areas can result in disruptive behavior, with birds encroaching on public spaces like open-air restaurants and residential backyards.



## Potential Fines and Penalties



Potential costs associated with bird-related issues in landfills extend beyond the immediate costs of damaged equipment.

When birds are injured within these facilities or when pollution affects nearby water sources due to the presence of birds, regulatory authorities may impose substantial fines.

In addition to the financial burden, facilities may face temporary or even long-term shutdowns as a consequence of failing to address these issues adequately.

These shutdowns can disrupt operations, result in lost revenue, and tarnish the reputation of the facility.

# Advantages Over Traditional Bird Control methods

## Gas-Operated Exploders

Gas-operated exploders rely on bottled gas and an ignition mechanism to produce deafening blasts at regular intervals.

However, their effectiveness wanes quickly as birds can become habituated to the noise within a matter of days.

To counter this habituation, exploders need frequent relocation.



In contrast, Helikites present a superior alternative, they operate silently, ensuring no noise-related concerns for both landfill workers and the neighboring community.

Furthermore, Helikites use helium instead of explosive gases, making them safer, more eco-friendly, and far less costly. This approach not only provides efficient bird control but also contributes positively to the well-being of the landfill environment and your wallet.

## Gunfire and Firecrackers

Gunfire and Firecrackers rely on loud noises and visual stimuli to drive birds away.

This can be useful in situations where sites need only be protected for relatively short periods of time (1 to 4 weeks).

Most bird species become habituated to these noises if used repeatedly over a longer period of time.



They can also pose safety concerns due to the risk of stray bullets, exploding projectiles, and fire hazards. In contrast, Helikites provide a silent and safer solution.

# Reflective Devices



**In comparison to reflective devices like the Eagle Eye, Falcon FrightKites and Bird Control Helikites offer a more reliable and effective solution for deterring birds at the beach.**

**While devices like the Eagle Eye use optical methods to disorient birds with reflected light beams, they often struggle to deter highly intelligent birds like seagulls.**

**These reflective devices, including wind-powered ones, demand regular movement or changes to prevent habituation.**

**Moreover, they are less effective in shaded areas or on days with little to no wind or with too much cloud cover.**

**In contrast, Falcon FrightKites and Bird Control Helikites are designed with realism and versatility in mind.**

**The Falcon FrightKites' lifelike appearance triggers fear in birds' eyes, while the Helikites' capacity to fly at greater altitudes ensures an unmatched coverage area.**

**This combination creates a formidable deterrent that seagulls cannot easily outwit, making Falcon FrightKites and Bird Control Helikites the preferred choice for landfill bird control.**

# Trained Falcons and Hawks



While trained raptors are often used for bird deterrence at Beaches their effectiveness can vary widely, as birds flee from the predators only to land on other areas of the landfill and return soon after also birds not considered natural prey may not perceive the falcon or hawk as a threat and may not flee upon their approach.

Moreover, the use of trained raptors necessitates daily flights to maintain effectiveness, which is not always practical or cost-effective. Helikites provide a more reliable and sustained approach to deterring a wide range of avian species without concerns about habituation

## Avian Contraception Tools

While avian contraception offers a nonlethal approach to managing bird populations, it can be a time-consuming process, requiring the feeding of entire generations of birds before becoming effective in controlling reproduction rates.

Additionally, avian contraceptives such as OvoControl must be distributed daily throughout the entire breeding period of the birds, which may be a challenging and labor-intensive task.

Furthermore, to achieve optimal results with avian contraceptives, birds should ideally feed at the same time each day, with minimal non-target species present.



In contrast, Helikites and FalconFrightKites provide an immediate and consistent deterrent for a wide range of avian species without the need for daily maintenance or feeding schedules



# Join Us in Our Mission to Eliminate Birds From Landfill Sites and Redefine the Future of Bird Control

Birds at landfills may seem like a mere annoyance, but their presence poses risks to both the environment and human health. Helikites and FalconFrightKites offer an innovative, reliable, and environmentally friendly solution to this ongoing problem. At US Kites we are committed to doing our part in protecting your landfill, your workers, and the surrounding environment.



Contact our dedicated team of experts at (855)-3-USKITE to discover how Helikites can elevate your landfill operations and keep your site free from birds!

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[855-3-USKITE](tel:855-3-USKITE)

US KITES LLC  
P.O Box 25  
Pine Beach, New Jersey, 08741  
United States  
7326447902  
[info@uskites.com](mailto:info@uskites.com)  
[uskites.com](http://uskites.com)