

# **NETWORK**

**Norwegian Pest meeting- SKaBra Skadedyrdagene  
September 2023**

## Site survey/ install support



## Reasons for Control

- Health risks...



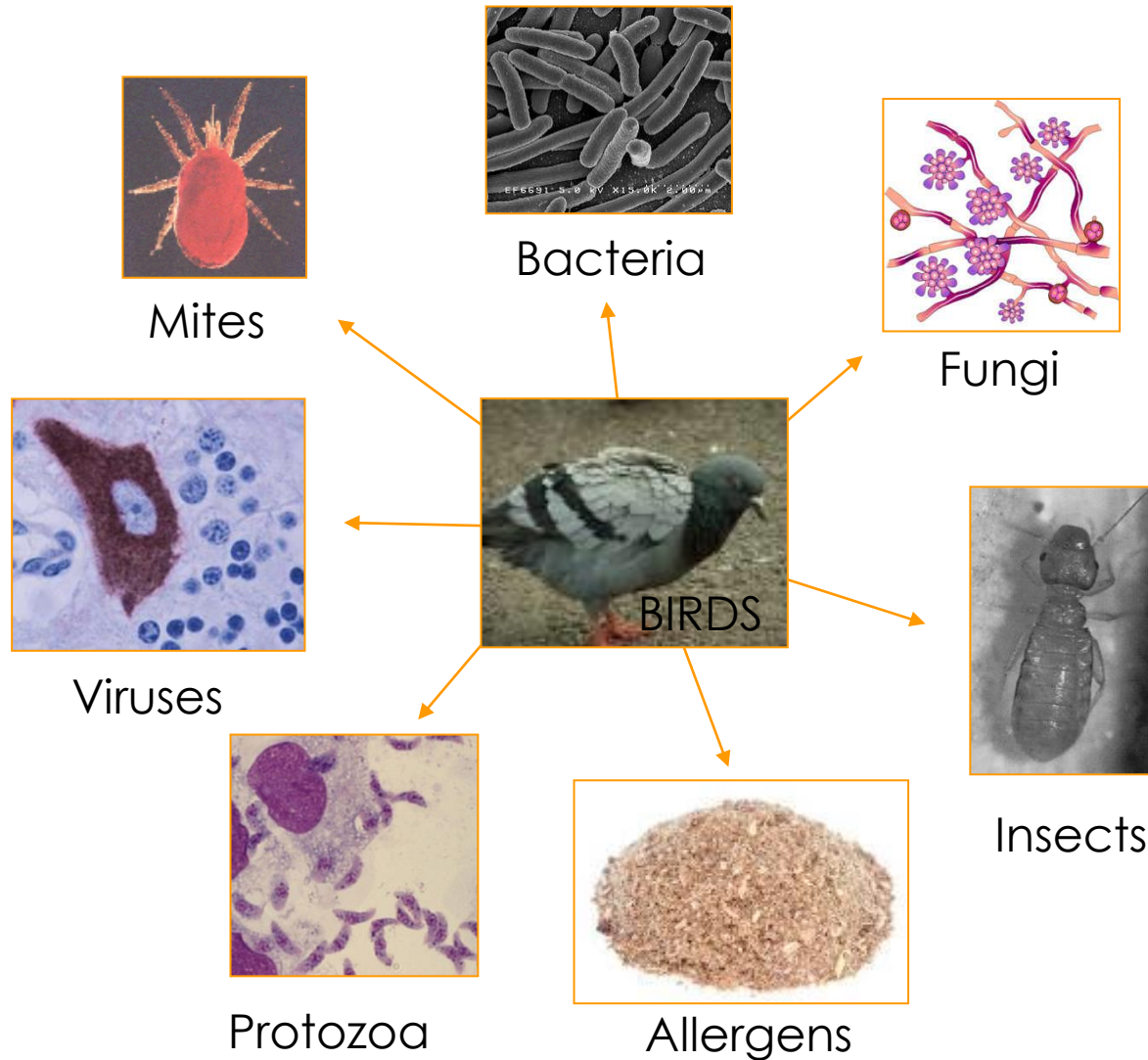
- Birds can spread many organisms that affect human health...



Damage a car/ person ! Gulls/ crows attack objects



## Reasons for Control



110 species of micro-organisms:

- 55 fungi
- 41 bacteria
- 8 viruses
- 6 protozoa

Insects:

- 22 families

## Systems used individually or in Combination



Spikes

Net

Birdwire



## Light Pressure

- Parts of a building used only occasionally
- Tend to be high up
- Exposed to wind and rain
- Of little importance to the birds



High up – few birds, if any – little fouling

Easily proofed with any proofing system suitable for the species

## Medium Pressure

- Parts of a building *habitually* used by the birds in the *daytime*
- Overlooking regular food sources
- Used regularly for sunbathing



- The birds will be pretty determined to regain these areas
- If they cannot return they will be displaced to nearby alternatives



## Overlooking source of water



## Heavy Pressure

- Parts of a building used by the birds for
- Night roosting
- Nesting



No birds – but lots of fouling



These areas are extremely important to the birds, who will be very highly motivated to overcome any proofing systems

## Displacement

- Birds that face proofing systems will overcome them, or be displaced to another area





# Bird deterrent netting

## All bird species

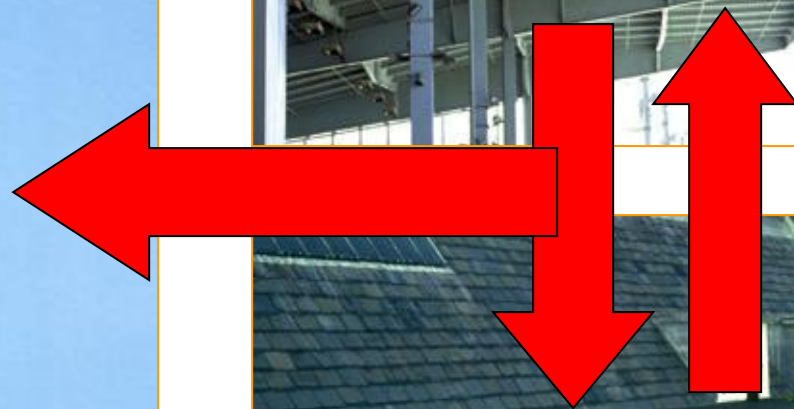
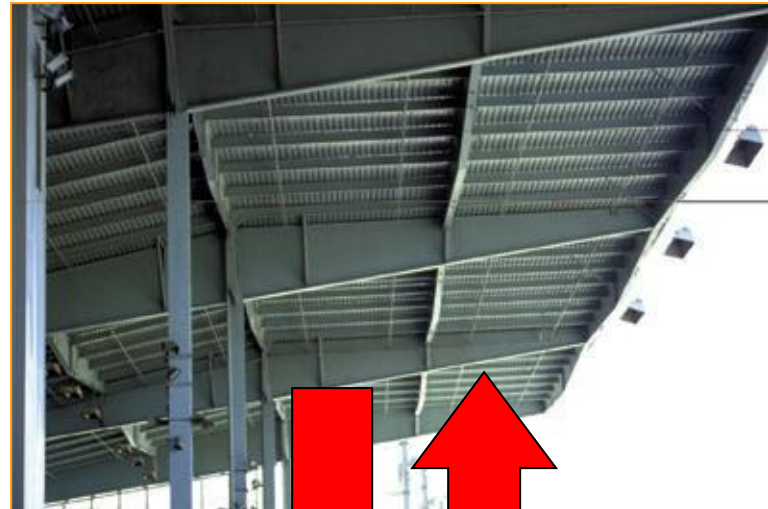
## Proofing Systems

- Proofing with nets



- Very hard to see

## Proofing Systems - Proofing with nets





## Bird Netting



## Bird Netting

- Horizontal Netting



## Bird Netting

- Portico Netting



- Starling net at St Georges Hall Liverpool



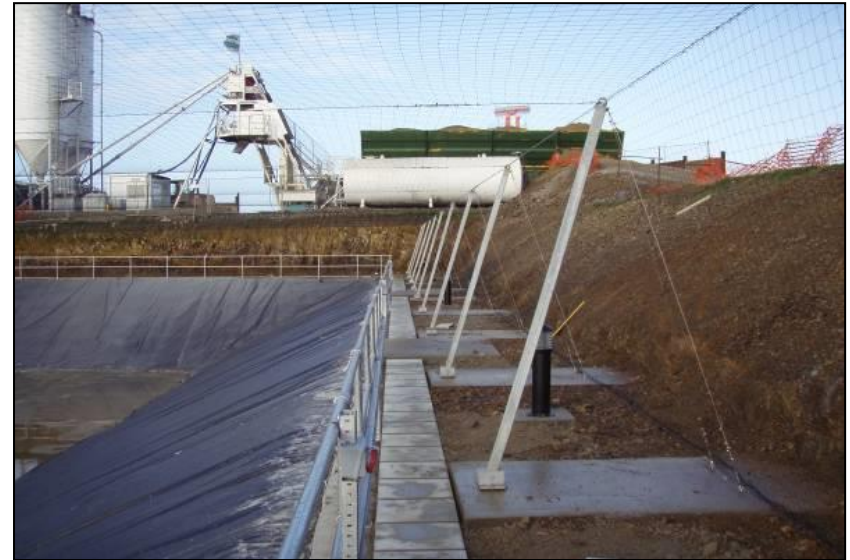
## Bird Netting



- Ikegami Honmon-ji Temple Japan

## Bird Netting

- Water Conditioning Plant



## Bird Netting

- Pigeon Net on Bridge





## Bird Netting

- Pigeon Roof Netting



## Bird Netting

- Roof Net



- Approx 100 pairs well established nesting gulls

## Bird Netting

- New Roof Mounts





## Bird Netting

- Flexible Net Frame





## Bird Netting

- Flexible Net Frame

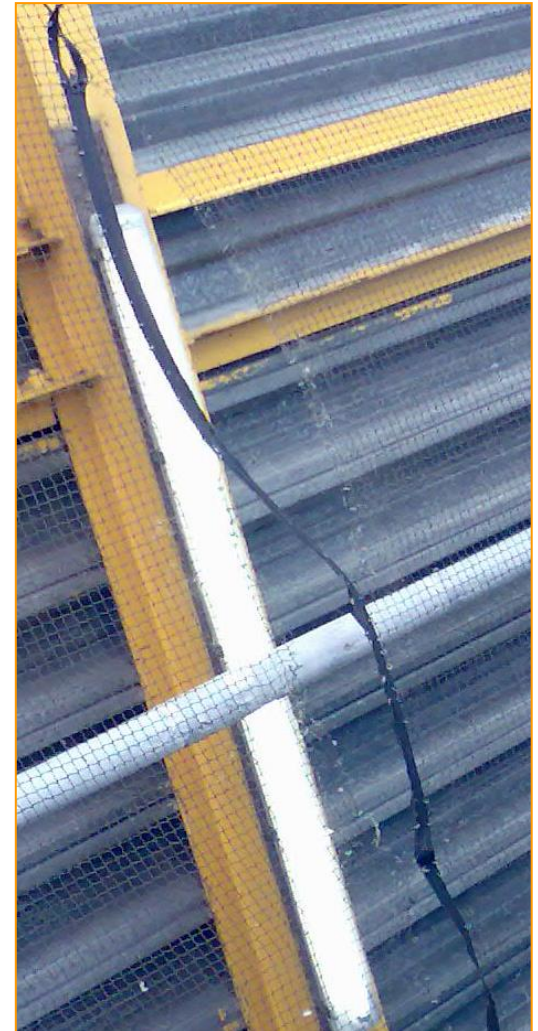


## Bird Netting

- Double sided net Zips



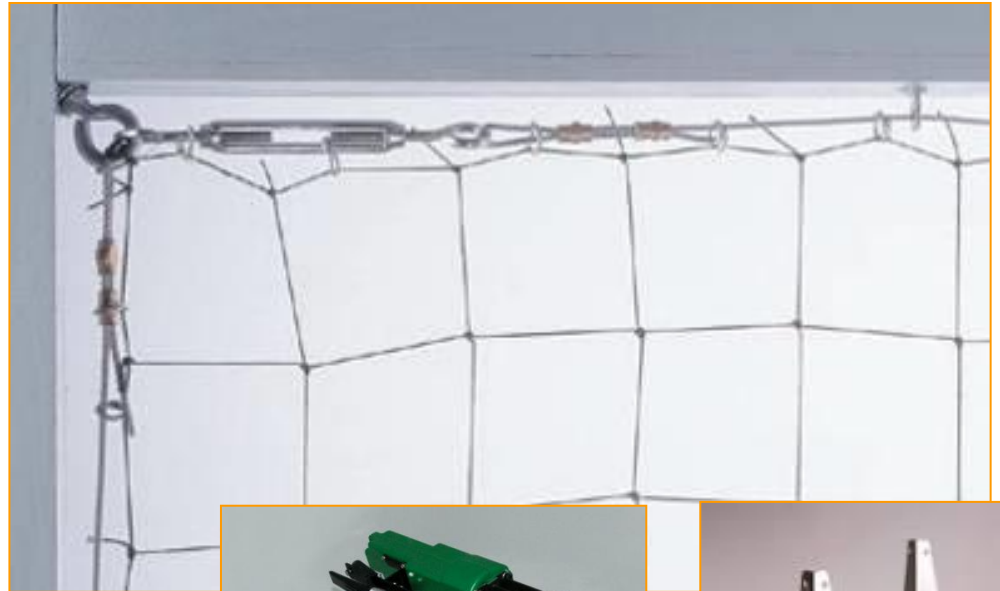
Hogs not correctly installed



## Bird Netting

### – Net Systems

- Fixings and Brackets
- Wire and Tensioning
- Net (cut to size)
- Tools



## Network Bird Net System

- **Effective:** For all situations and all species
- **Versatile:** Can protect multiple perching places
- **Discreet:** Barely visible from the ground
- **Durable:** Polyethylene is chemically inert and can withstand a wide range of environmental conditions
- **Humane:** Does not harm birds, only frustrates them
- **Cost effective:** Materials are relatively inexpensive
- **Skilled:** High level of skill required – Professional operation





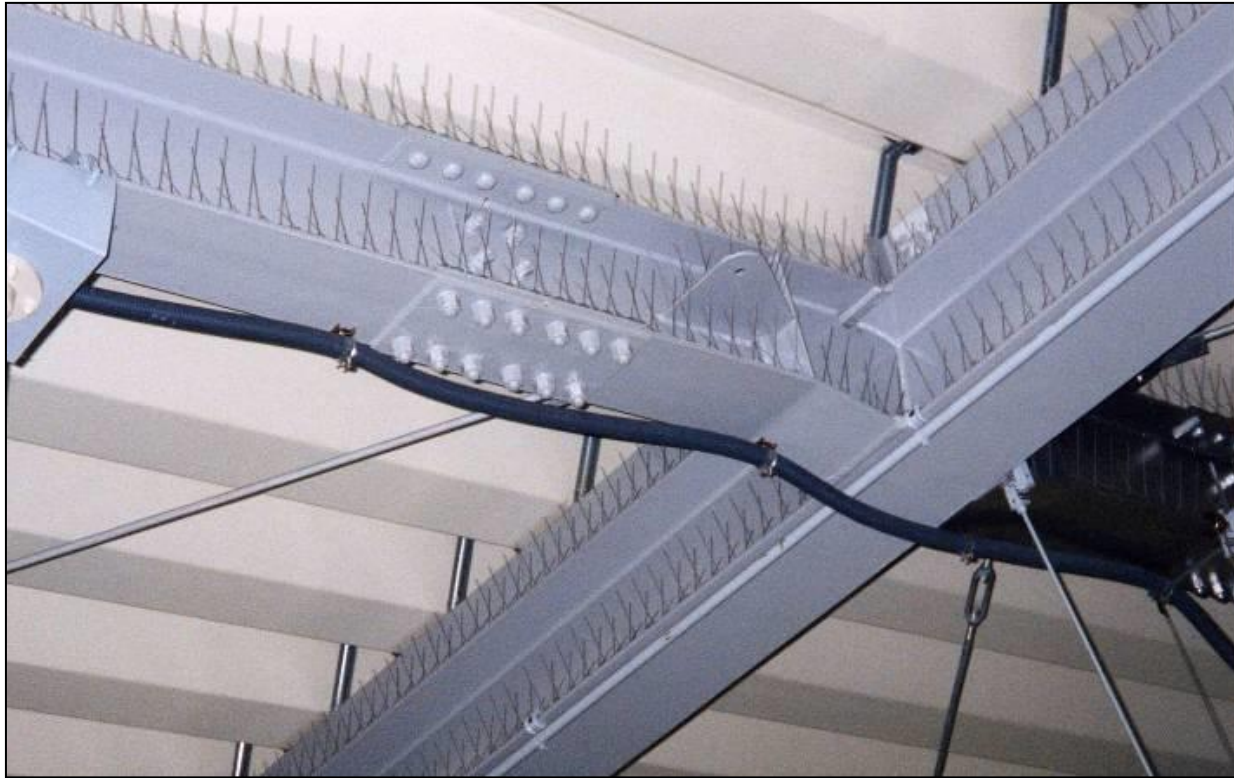
# **Bird deterrent spikes**

## For pigeons and gulls

## Proofing with Spikes



## Proofing with Spikes



## Proofing with Spikes





## Marble Arch



Before



After

## Hotel Porch



## Hotel Porch



Pigeons roosting  
above main porch  
area



## Hotel Porch



Avipoint  
solves the  
problem

## Starbucks



## Starbucks



## Spike System Construction

- Made from plastic
- Made from stainless steel
- Made from plastic base plus stainless steel wires



## Avipoint Installation



Prepare surface



Apply adhesive



## AviClips for Gutters



# Birdwire

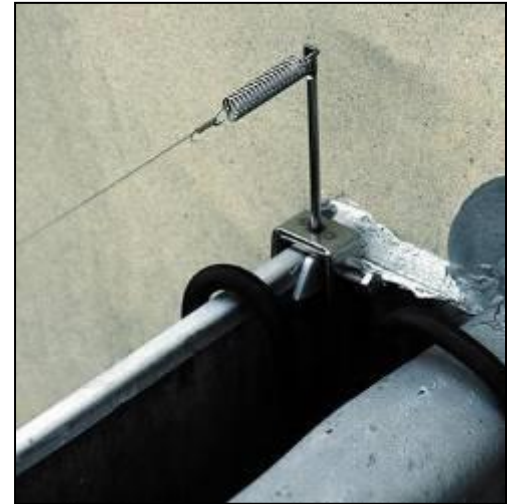
## For pigeons and gulls

## Birdwire





Birdwire- many different components



## St Pancras Railway Station



18Km of Birdwire



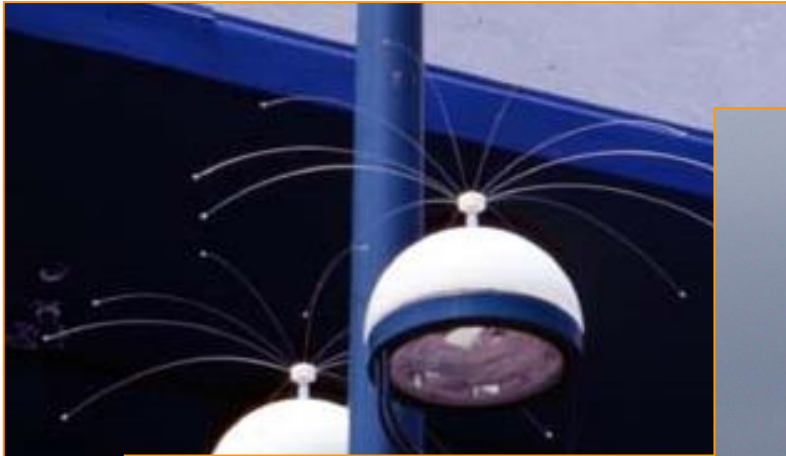
## Bird Wire System

- Discreet- favoured by architects
- Relatively cheap to install
- High level of skill required
- Low/medium pressure
- Versatile range





## Bird spiders





# Electrical deterrents

## All bird species

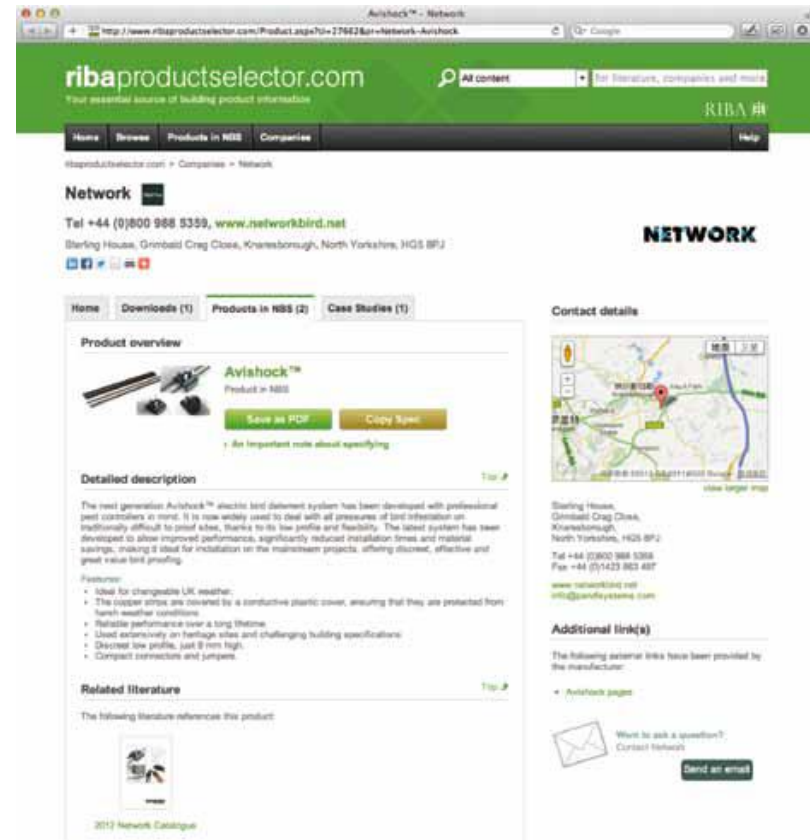
AviShock

- Effective
- Quick to install
- Versatile
- Discreet
- Durable
- Branded



## Electric systems

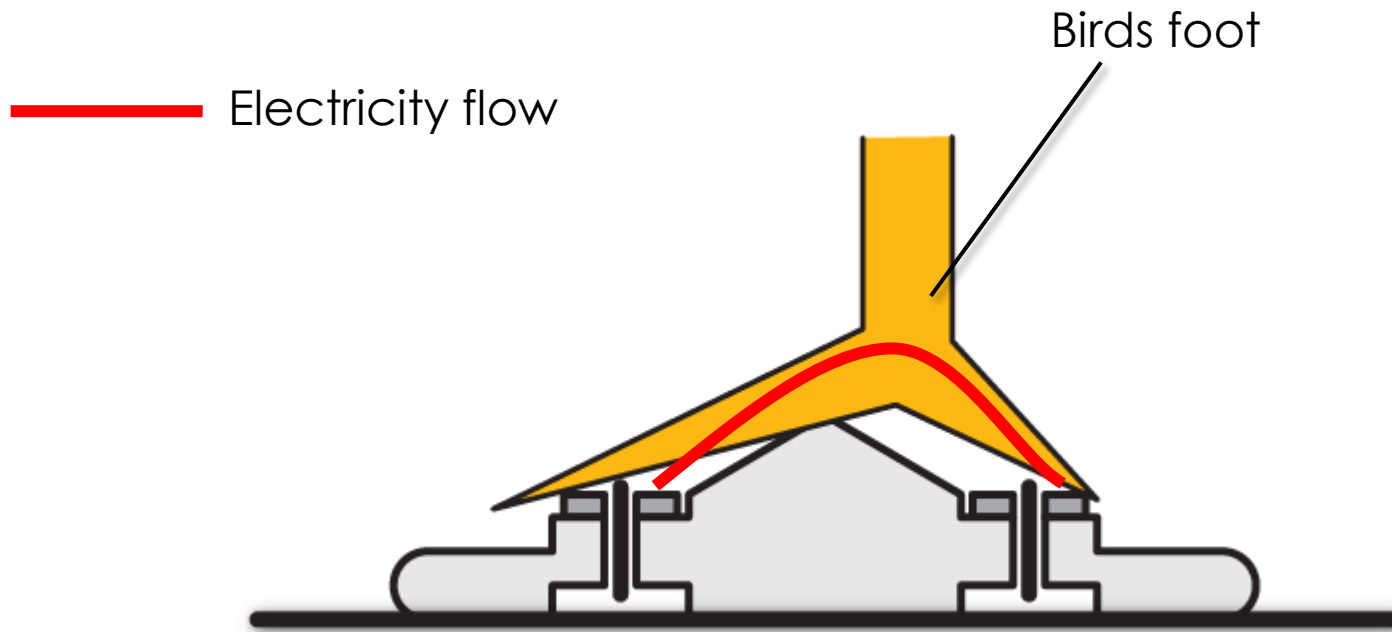
- This has been designed to optimise aesthetics, durability and ease of install .
- Time saving design, quick to install
- Used by leading retailers and specifiers



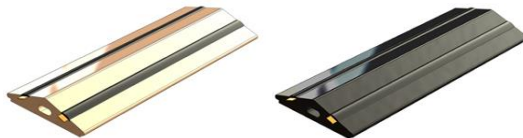



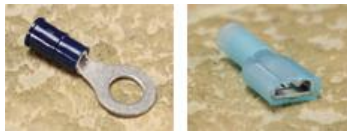



## How does a track product work – Traditional system

- When the bird lands on the track, it completes the flow of electricity between the two conductive strips, resulting in a shock



## Key system components

Part	Function	
Track	Pass electricity along	
Track connector	Join track lengths together	
Energiser	Provide power to the track	
Lead wire	Pass electricity from energiser to the track	
Lead wire connectors	Connect lead wire to the track connectors	
Adhesive	Fix the track in position	

## Features and Benefits- Least Visible

- Neat and discreet



## Features and Benefits- Least Visible





Focus in on a key town , area or building owner



Focus in on a Key customer who has used the system





Focus in on Avishock where other solutions wouldn't be effective



## Ledges- aesthetic solution





## Features and Benefits- Most Effective

- All species
- All pressures



## Glass Roof- optimum, aesthetic solution



Roof, instead of bird net



# Bird Slope

## All bird species



# Window cills or ledges



## Dusty ledges on carpark ceilings



## Bird Slope™

Bird Slope positively changes the building design which will be favoured by architects, specifiers and building owners



Patented US8640397 US8689497 US8925256 US9185900

## Advantages & Benefits

- Effective for all birds
- An optimum system for architects and aesthetic locations
- Made from UV protected PVC - sun and weather resistant
- Available in Stone or Gray
- Rigid one piece construction - comes in 10.16 cm sections
- Covers ledges up to 13.97 cm deep; interlocking extenders allow you to cover ledges up to 26.67 cm deep
- Easy to install end caps prevent birds from getting behind the slope
- Ideal to prevent birds from landing or nesting on 90° areas like eaves and ledges

Bird Species	All birds
Where to Use	Ledges, window sills, under eaves, I-beams with widths up to 26.67 cm
Material	UV protected outdoor grade PVC
Bird Pressure	Light to Heavy
Warranty	2 years

### A Slippery Slope for Birds!

Bird Slope™ from Bird-B-Gone®, Inc. is a physical bird deterrent used to prevent birds from landing. The slope's unique design makes it impossible for small or large birds to land on 90° areas.

- Each piece is 122 cm long and covers ledges up to 13.97 cm deep
- Bird Slope™ Extenders help cover ledges up to 26.67 cm deep



Installed on window sills



Installed in a garage

**To install:** Surface should be clean and dry before installation. Bird Slope™ covers a 13.97 cm ledge; for larger ledges slope extenders are available. Can be glued onto surface using glue troughs. End caps should be installed to prevent birds from getting behind the Bird Slope™.



Bird Slope Extender



Bird Slope End Cap

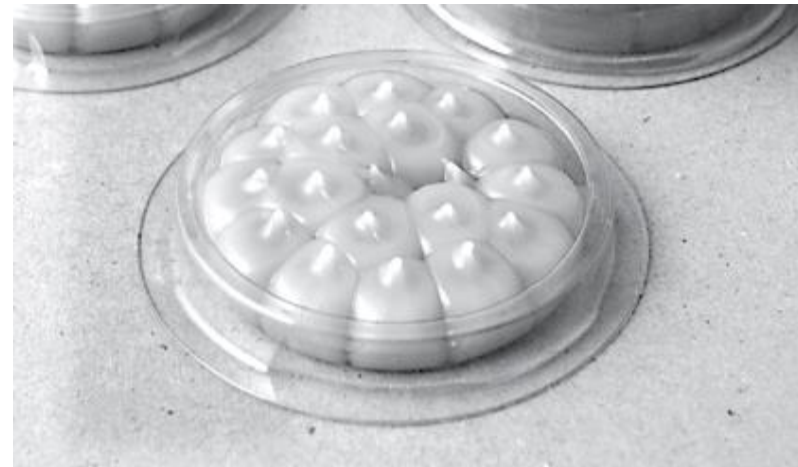
# Bird deterrent Gels

## Feral pigeons



## Repellent Gel-

- Pre installed in trays
- Food based natural oils
- UV, smell and touch deterrent
- Can be used indoors or outdoors.
- Low profile
- Reported to last two or more years



# Repellent Gel

Remove all fouling from ledges (pheromone to the pigeons)  
Apply one dish

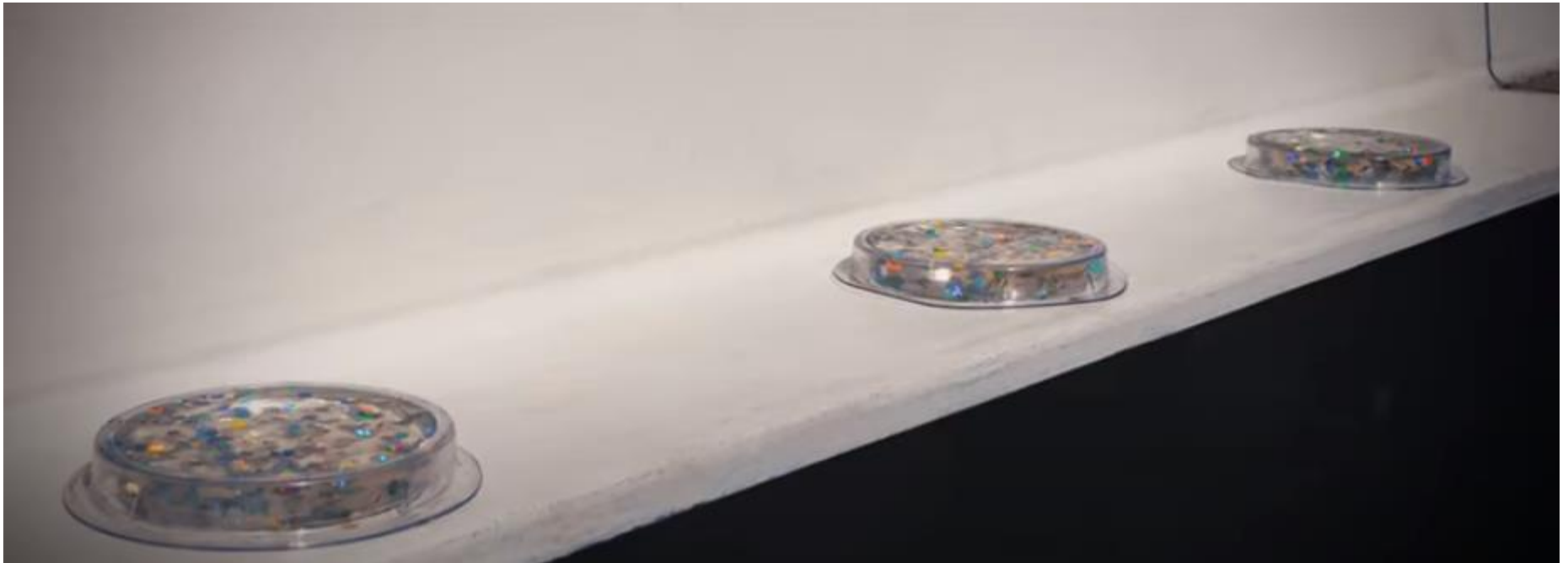
Heavy pressure areas: 15cm apart (6 per mt)

Medium pressure areas: 20cm (5 per mt)

Light pressure areas: 25cm (4 per mt)



# Bird Gel



# Bird Free Repellent Gel





# Bird Free Repellent Gel



Failure of original  
gel



# **Flockoff (Very new)**

Most bird species TBC



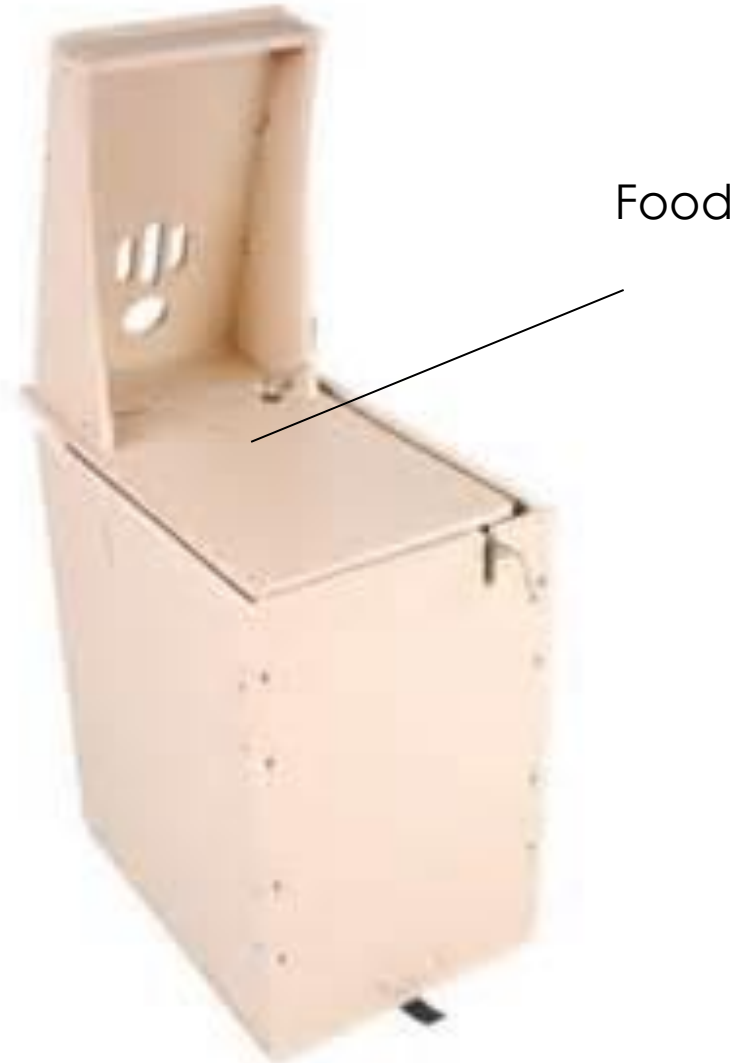




# Scaring/ trapping

## Most bird species

# Discrete sparrow trap for single birds

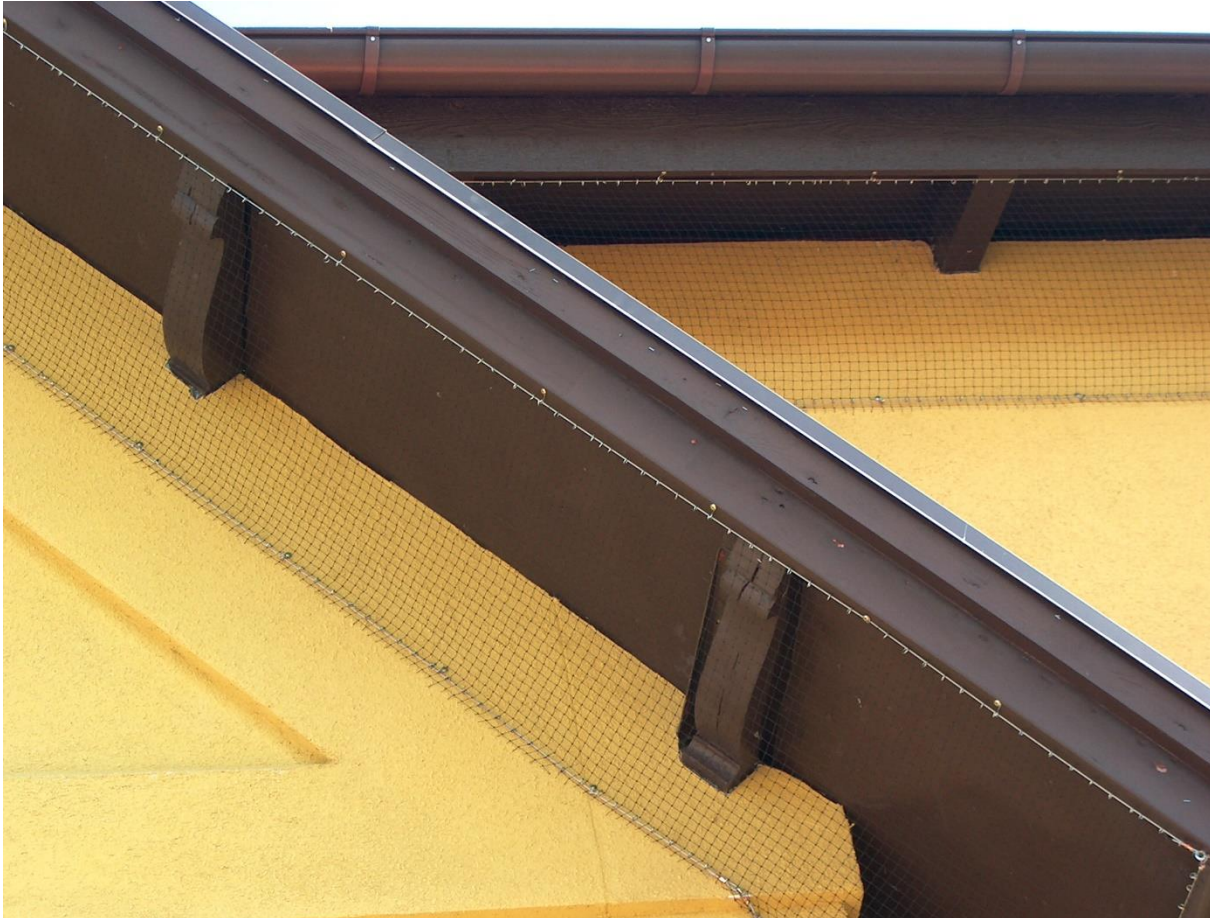


Scaring/ trapping will improve the effectiveness of netting

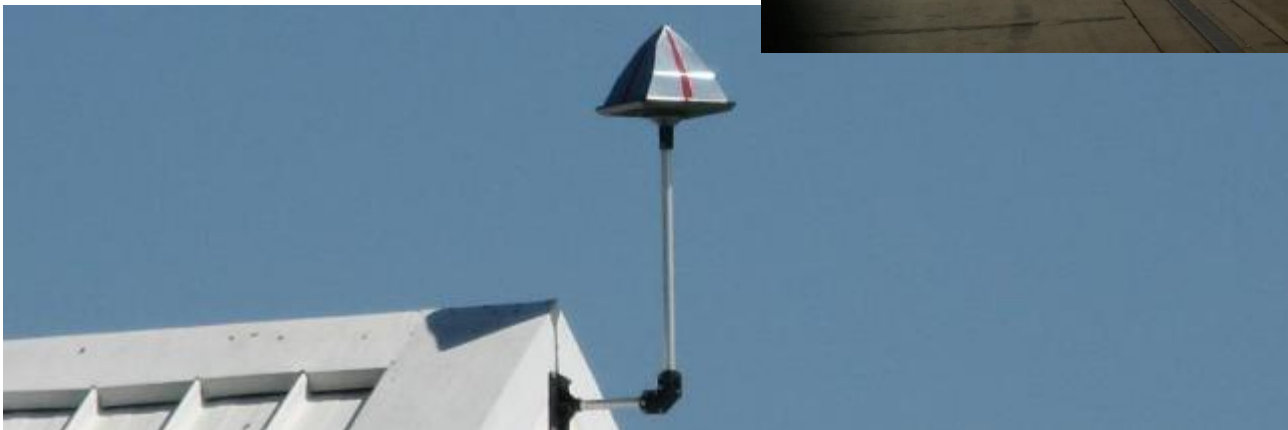




Swallow nesting boxes and profiled net is effective.....



Eagle eye/ flash flags- reduce population by 40%-50%



# Handheld lasers to disperse pigeons/ gulls/ Canada's





## Scarecrow range

### Option 1- Handheld Scarecrow 'Patrol 2'-

#### Advantages:

- Random location and time of use
- Easy to use- site can play
- Simple to adjust calls/ volume



#### Included distress calls:

- Herring gull; common gull and black headed gull
- Starling
- Crow, rook and magpie
- Lapwing and pigeon



## Scarecrow range

### Option 2- Scarecrow '180' mains powered system-

#### Advantages:

- Perfect for retail entrances
- Coverage of 20,000M2
- Fixed unit with guaranteed power-mains
- Very simple to program front panel
- Fully waterproof
- UK and EU plug options

#### SCARECROW 180

- 1 x fully automatic and random play bird dispersal unit, incorporating:
  - 10 standard distress calls.
  - 3 built in speakers,
  - 1 light sensor,
  - Wall mounting bracket
  - Keypad for setting controls.
- 1 x Power Option; either 15V dc regulated switch mode EU/UK power supply, or Battery Lead.
- 1 x U Clamp Pair; to mate with built in brackets to provide pole mount option, and bolts etc.
- 



#### Included distress calls:

- Herring gull; black headed gull
- Starling
- Crow, rook, Jackdaw
- Magpie
- Canada goose and pigeon
- Bird of prey

## Scarecrow range

### Option 3- Scarecrow '360' mains powered system-

#### Advantages:

- Perfect for roofs
- Coverage of 40,000M2
- Fixed unit with guaranteed power
- Very simple to program on front panel
- Fully waterproof
- UK and EU plug options



#### SCARECROW 36 SYSTEM

- Complete 360° dispersal system comprising:
- 1 x SCARECROW 180™ fully automatic and random call dispersal unit (as above);
- 1 x Power Option; either 15V dc regulated switch mode EU/UK power supply, or Battery Lead.
- 1 x U Clamp Pair; to mate with built in brackets to provide pole mount option
- 1 x SCARECROW 36 'slave' unit to accompany the SCARECROW 180™
- 1 x Connection Cable; connection from 360 unit to 180 unit

#### Included distress calls:

- Herring gull; black headed gull
- Starling
- Crow, rook, Jackdaw
- Magpie
- Canada goose and pigeon
- Bird of prey

## Scarecrow range

### Option 4 – Solar pack for '180' or '360' systems-

#### Advantages:

- Full flexibility to move the system around the site
- No plugs or sockets required
- Perceived as a 'Green' solution

#### Solar Power Option

Suitable for Scarecrow 180 and Scarecrow 360 System. System comprises:

- Solar Panel
- battery & regulator pack
- 2m pole stand-

**2m pole Non-piercing roof mount;** mounted on a square base. locally purchase four 450x450mm paving slabs, or equivalent, for stability.



## Scarecrow range

Sales example – Option 3 + Option 4



+



Examples





Hawk Kite < 25mph winds



# Any Questions?