



Vistec™ Solution



Swiss Gherkin, London



One London Wall, London



London Stock Exchange St.Pauls



The **Stealth Dish Farm** or **SDF** Solutions are ideal for any property. They are ideally suited to apartment blocks, City institutions or buildings with unique architectural features.

Basically anywhere that one wants to hide the dishes from site!

Why SDF?

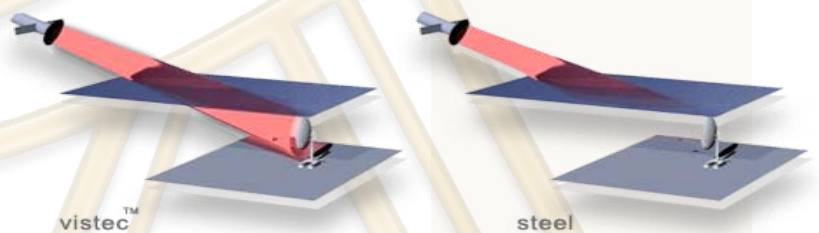
European Satellites.com Ltd has developed a method of answering one of the most pressing questions asked by landlords, tenants, property developers, architects, structural and mechanical engineers.

QS.

We want to have access to various satellite feeds but cannot get permission to put satellite dishes on our roof. How can we get about this?

Through the use of revolutionary materials European Satellites.com Ltd is able to synthesis the appearance of any external surface area to blend the dishes into their surroundings.

In the case of sub-structural **SDF's** European Satellites.com Ltd will design and build replacement external structuring and work with the client to identify the best solution for them.



Using our vistec material the satellite signal passes through the enclosure. The diagram illustrates vistec against conventional materials used, like steel.

system design guidelines



Each SDF is unique and designed specifically for the specific requirements of the landlord and the building in question.

Designs vary depending on positioning of the system.



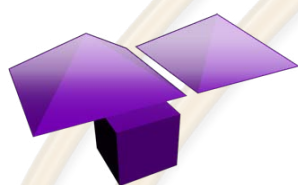
Stealth Dish Farm Cubes

At the roof level to disguise the dishes from view



Stealth Dish Farm Cones

to minimize wind resistance and decrease the wind loading on the roof from the dishes and antennae.



Stealth Dish Farm Roof Replacement solutions

Ideal for those properties that have height restrictions. Housing the dishes under the roof level.

Stealth Dish Farm Unique solutions as every solution is unique European Satellites.com Ltd will work with you to design and build a solution to solve your problems!

How does this work in practice?

Through the use of revolutionary materials European Satellites.com Ltd is able to synthesis the appearance of any external surface area to blend the dishes into their surroundings. In the case of sub-structural SDF's European Satellites.com Ltd will design and build replacement external structuring and work with the client to identify the best solution for them

How is this cost transferred to the tenants?

As part of a managed satellite service the landlord can install a revenue generating service to be added to their bouquet of client services. Passing on the costs to the tenants over a chosen period of time.



One London Wall, Stealth dish Farm

How can the cost of such a system be justified?

Without reiterating the obvious benefits to both the landlord and tenant it is important to bear in mind that such a landlord provided system will bring order to the tenants' requirements for access to satellite and terrestrial signals and afford the landlord the luxury of offering a quality service potentially a differentiating factor in the decision by potential tenants to lease office space / apartments.



One London Wall, Stealth dish Farm



A Case Study - London Stock Exchange

The London Stock Exchange commissioned European Satellites.com Ltd to examine the possibility of installing dishes on or under their roof to hide them from the view of St. Paul's Cathedral.

They required access to satellite delivered TV and radio feeds spanning a wide arc of satellites available over Europe. Being home to the center of the financial dealings of The City their needs are of the highest priority.

Given the proximity of Paternoster Square to St Paul's the L.S.E. were not granted permission to openly house dishes on any of the exposed south facing roof spaces available to them.

It was European Satellite's brief to identify possible locations for reception of the signals from geo-stationary satellites at 13, 19.2 and 28.2 degrees East.



View from St.Pauls Cathedral

European Satellites.com Ltd was to come up with as many Stealth Dish Farm solutions with the purpose of hiding the three x 1.2m diameter dishes from view from St. Paul's Cathedral.



Left, three 1.2m diameter dishes exposed. Right, Stealth enclosure



Stealth Dish Farms

A Case Study - London Stock Exchange



The key questions facing the L.S.E. Management were as follows



1. How do we get access to the 3 orbital positions given no obvious roof space or clear line of sight?

2. How can we get the feeds we require without having to “fibre” them in from alternate sources at a recurring monthly cost?

3. What can we install that will be future proof?



The answer came after European Satellites.com Ltd was commissioned by the LSE to investigate the options available. The result was the development of the SDF product for terrestrial TV, satellite TV and data in IF format.



Two potential sites were selected as having the appropriate lines of site.



The first site identified was under the lead mansard roof on the south facing section of the building. European Satellites.com Ltd proposed a solution whereby (with planning permission approval specific to this authority and location) sections of the roof were to be replaced with an identical structure that would still allow adequate line of sight.

This is done through removal of the affected roof sections and replacement with specialized materials that allow the unhindered passage of the satellite microwave signals.



The second solution was to house the dishes on the lower flat roof level in SDF Cube Solutions allowing easy access for maintenance. The dishes have an unhindered clear line of sight for the passage of the signals for onward distribution.



1. With hidden dishes picking up the signals they had access to the orbital positions required.

2. The dishes replace the need for alternate, less cost effective means of attaining the necessary feeds.

3. The system proposed is designed for the life span of the building and will not require anything but routine maintenance over time.



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Notes

