

# anti icing aīc cover systems

Director Markus Privitera

# Product History

Operational failures have traditionally been a major problem with signal blocking on microwave dishes due to the build up of ice in remote mountain regions. We have first hand experience due to the adverse effects of ice damage and signal blocking.

With this in mind the AIC team set about creating a solution.

The AIC product has been designed by a team of dedicated professional highly experienced in the telecoms field. Based on a marriage of idea's derived from nature and the latest in high specification-technical material design.

A new conceptual non-thermal anti-icing and pollution system for MW, satellite and RF antenna's is introduced onto the market.

Manufactured and tested to the highest specification in Switzerland.

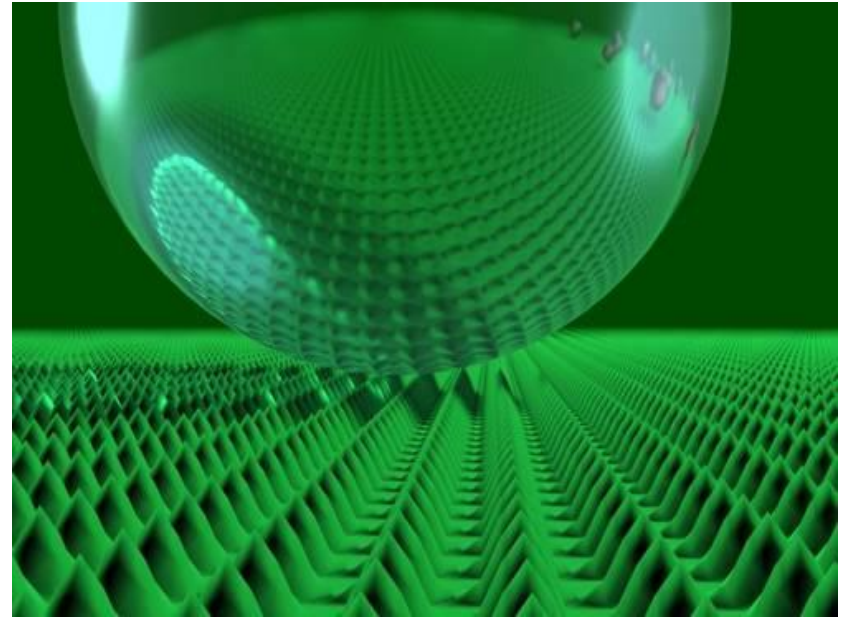
This AIC product is here to solve your problems and avoid many outages in networks.

In addition the AIC product can be used to avoid problems of pollution degradation due to exceptional properties of our product, to protect against area's of high pollution ( tunnels, industrial sites , etc) with restricted access.

# AIC Product

- ✓ This innovative textile has the properties to repel water thereby eliminating the build of ice, with a high resistance to UV radiation and harsh climatic conditions (-35C° to +65C°).
- ✓ Negligible effect on microwave signal propagation.
- ✓ Simple to install, no special training is required.
- ✓ Almost no maintenance and no power supply is required as per our competitors products.
- ✓ May be retroactively fitted to existing dishes.
- ✓ The products are available for MW and satellite-dishes from 30cm/1ft up to and including 300cm/10ft diameter (Larger dishes can be accommodated by special request).
- ✓ Can be used in conjunction with all types of radio-antennas plus stealth mobile site solutions.

# Product Details



The textile impregnation is characterized by a high level of water resistance which has a natural self-cleaning effect (in the same way as a lotus flower repels water molecules) and has a durable protective function. Water, ice and pollution have almost no chance to stay on the woven textile of the AIC product.

# Problem



➤ Snow starts to build up even with heating system in operation



➤ Worst case, wind main stream behind the MW-dish



# Solution by AIC

Location:  
Titlis at 3028m,  
Temperature at  $-35^{\circ}\text{C}$ ,  
Wind speed at 180km/h



# Contact

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