

CASE STUDY

MS-6100 EMERGENCY HELP STATION



Stahlin Non-Metallic Enclosure modifications contribute to a new outdoor emergency device with added functionality and increased reliability.

THE SITUATION

For more than a decade, Metis Secure engineers have studied and mastered a variety of technologies and methods of providing emergency warnings.

The company recently introduced a new product line: the MS-6100 Emergency Help Station.

This new, innovative alerting device is housed in a weatherproof, vandal-resistant exterior box that expands the application of their emergency notification system to locations such as outdoor parks, bus, train, and subway stations, parking garages, parks, and courtyards.



THE CHALLENGE

In addition to enabling the transmission of wireless signals, the enclosure for the MS-6100 Emergency Help Station had to withstand the demands of an outdoor environment while remaining highly visible.

Metis Secure required an enclosure that could be molded in a bold yellow color and customized to ensure easy installation of components, including an emergency light and heating element.

They also needed the enclosure to remain watertight over time.

THE SOLUTION

They identified fiberglass as the ideal material choice for their needs.

Fiberglass would facilitate the transmission of wireless signals, unlike exposed metal enclosures, which typically require an external antenna to ensure signal reception and transmission. Given that the company's systems are deployed in highly urbanized environments, they anticipated that exposed antennas would be vulnerable to damage, potentially compromising device functionality, creating safety risks, and leading to ongoing maintenance challenges.

Metis Secure determined that Stahlin's non-metallic Diamond Shield® Series would be the perfect solution. The Diamond Shield Series was specifically designed for flexibility, aesthetics, and durability, making it suitable for high-end electronics and harsh corrosive environments in both industrial and outdoor applications.



Diamond Shield® enclosures are adaptable and aesthetically pleasing fiberglass enclosures for both indoor and outdoor use. They offer unique internal equipment management capabilities to increase user flexibility while allowing for utilization of every cubic inch of valuable internal enclosure space. Diamond Shield enclosures are offered in a variety of configurations and have three cover selections: opaque, flush bonded window, and clear.