

# Analisi delle caratteristiche e. m. di radomes ignifughi

L. Cordin

## Abstract

La realizzazione di sistemi d'antenna per applicazioni wireless in scenari critici deve garantire apparati d'antenna robusti in grado di fornire le comunicazioni (es.: organizzazione soccorsi, istruzioni agli utenti) anche in caso d'incendio (situazione, ad esempio, che rappresenta una dei maggiori rischi all'interno di tunnel).

Perciò, al fine di aumentare la robustezza al fuoco dei sistemi d'antenna rispetto agli apparati tradizionali, può essere considerato un design integrato del sistema radiante e di un opportuno radome ignifugo, privilegiando soluzioni che necessitano del minimo numero possibile di componenti (robustezza) e completamente rivestiti (annegati o racchiusi in un involucro) di un dielettrico ignifugo, cattivo conduttore del calore e che non sviluppi gas tossici in caso di incendio.

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