

How the Fire Industry can Influence the Future of IoT | London, UK

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BIO: Yusuf Muhammad is an inventor, engineer, and industrial designer as well as co-founder and Design Director for Plumis Ltd. Yusuf graduated with a double masters from the Royal College of Art and Imperial College, winning numerous design awards both during and following the completion of his education. In 2017 Yusuf was invited to speak at *Insuretech Connect*—the world's largest gathering of insurance leaders and innovators—where he focused his presentation on how IoT can enable tighter insurance product offerings, valuable data and better risk management. Yusuf has also appeared in the BBC documentary, *Big Life Fix*—a new three-part transformational science series for *BBC Two* that follows a group of designers, engineers, programmers and tech experts as they face the challenge of coming up with innovative interventions to transform the lives of people across the UK.

Abstract

The UK insurance industry is now the primary market for security and IoT devices, and manufacturers are pricing these devices especially for insurance firms. This new technology is replacing old models of risk assessment and belongs to the Internet of Things.

Plumis is amongst the first in transforming their award-winning watermist fire suppression system into an intelligent home hub that reduces insurance claims by minimizing risk. Adoption of this fire prevention device is driven by legislation and construction, unique in the IoT world, which is largely driven by consumers.

Watermist solutions perform like traditional sprinklers while using only 1.6 gpm of water and relies on dry pipe which is less susceptible to leaks or freezing. The device also has a black box with the potential to be an IoT application, adding features to engage owners and provide support beyond emergencies. Its intelligence provides maintenance data which have the potential to reduce repair costs.

The insurtech phenomenon—which refers to the use of technology innovations designed to optimize the current insurance industry model—will dictate the future of the safety industry. By integrating a software into fire safety products, like *Automist Smartscan*, safety information can then be recorded and tracked on the cloud or server. This ultimately turns the fire suppression system into an innovative IoT solution.

Keywords: Watermist, Internet of Things, IoT, Insurance, Fire Industry, Automist Smartscan, Plumis, watermist solutions