

Setting up Unmanned Aircraft System (UAS) for Fire and Emergency Services

Unmanned Aircraft System (UAS) has been widely used in firefighting, incident planning and rescue operations in the world. It is proposed to set up UAS including drones with accessories, live-video streaming system and back-end image processing hardware and software as a total solution for improving the fire and emergency operational efficiency and public safety, especially with regard to marine area aerial survey, marine rescue, urban search and rescue, high angle rescue and mountain rescue incidents.

On adoption of the latest drone and associated technologies to improve operational efficiency for search and rescue operations, it is proposed to acquire new surveying grade drones with relevant accessories, optical and heat sensors, air-dropping system, tethered system, live video dissemination system, upgrading the hardware and software for modelling of incident site and post-incident analysis.