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APPLICATION OF THERMO-VISION SYSTEMS DURING INTERVENTION AND RESCUE ACTIVITIES IN TOXIC, FLAMMABLE AND EXPLOSIVE ENVIRONMENTS

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Abstract

The success of rescue in toxic, flammable and explosive environments can accurately be quantified by the number of injured caught at the event that occurs, identified, reanimated and transported safely to the nearest hospital or point of granting the first aid. Unfortunately, in most cases, the area where these activities are developed, research is more or less accessible due to the presence of smoke, toxic or explosive gases or lack of visibility. For this reason, most often we are witnessing a rescuer's specific oversized resource consumption in an attempt to identify and locate accident victims in areas without visibility or with hazardous atmosphere. Application of thermo-vision systems allow the localization of victims from industry accidents, aiming to the efficient rescue operation with low costs and risks, for both injured and the rescuers involved in such areas.

Key words: fire, intervention, rescue, thermal imaging technique

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