

عنوان مقاله:

The use of novel technology in fire departments

محل انتشار:

ششمین همایش و نمایشگاه بین المللی آتش نشانی و ایمنی شهری (سال: 1403)

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خلاصه مقاله:

The article focuses on the assessment and evaluation use of new technology and fire apparatus such as large-size firefighting machinery and digital equipment. The fire apparatus is a fundamental tool of the fire service, and one that every department relies on to perform its important and life-saving functions. The aim of the research is to ۱- minimize the arrival times to conduct the intervention as efficiently as possible and ۲- enhance the firemans performances. The presented problem is caused by unsystematic development of The fire apparatus. The fire apparatus of today has also evolved into a complex, technology-driven machine. The fire apparatus has developed over the years in lock step with safety concerns, expanded technology capabilities, and consensus standards. With technology innovations happening faster than ever, it is interesting to ponder what the next generation of fire apparatus will be like. research questions in this article are that ۱-what technology developments are likely in the nearer term? ۲-What trends can we expect for brand new fire apparatus to be deployed in the coming years? And ۳- What are the laws and standards relating to the use of new technology in fire departments? research findings in this article show me that we need to update technology to better performance in fire and accidents. Given that many departments are operating apparatus that are ۲۰ or ۳۰ years old, it's a perfect time to become educated on the next wave of development in fire apparatus and reduce time to .arraivel , svaving and extinguish fire

کلمات کلیدی:

fire, new technology, life-saving functions

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