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ANALYSIS OF PHYSICAL AND CYBER SECURITY-RELATED EVENTS IN THE CHEMICAL AND PROCESS INDUSTRY

REVISED VERSION

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HIGHLIGHTS

- a database of 300 security-related accidents in the chemical industry was populated
- threats were analyzed with respect to geographical area and industrial sector
- cyber-attacks were found to play a significant role in recent years
- critical infrastructures are those where hazardous materials are stored
- lessons learnt revealed the need for a robust security management system

ABSTRACT

Security threats are becoming an increasing concern for chemical sites and related infrastructures where relevant quantities of hazardous materials are processed, stored or transported. In the present study, security related events that affected chemical and process sites, and related infrastructures, were investigated. The aim of the study is to frame a clear

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