proach, clearly establishes its role in the safety movement Among benefits that may be expected are

1 Greater system effectiveness
2 Fewer performance errors
3 Fewer accidents resulting in injury or damage to property
4 Minimizing redesign and retrofit after the system is operational—if applied at the design phase
5 Reduced training time and cost
6 More effective use of personnel with less restrictive selection requirements

The role of human factors engineering will become more significant as systems become more and more complex and automated The application of human factors engineering is indispensable as a basic consideration in the design of future systems if optimum safety and system effectiveness are to be achieved

Fundamentally, human factors engineering strives to improve the design of systems to minimize errors It is—psychologically, physiologically, and anthropometrically—fitting machines to men

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