

Value Engineering

It is possible to design buildings to mitigate the consequences of adversary tactics. There are low and high cost ways of improving each building system's contribution to safety, security, and reliability. Because of its simultaneous consideration of safety, security, and reliability, architectural surety provides a framework to integrate security with safety, reliability, and disaster mitigation.

Value engineering techniques can be combined with Architectural surety to provide a framework for resource decision making. Value engineering is a structured work plan that uses multidisciplinary participation in a workshop environment to improve value. It does so by either reducing life-cycle costs or achieving functional attainment. Architectural surety objectives can be translated into functions for improvement. A result can be low-cost/no cost improvements and proposals requiring additional costs, and a rational decision making framework. The savings produced in value engineering can be once source of funds to pay for improvements that require additional funds.