Control Room Design: Best Practices and Lessons Learned from a Multi-disciplinary Perspective

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ISO 11064 advocates a multi-disciplinary approach to the design of control buildings and it is fundamental to take account of the requirements that are derived from these different perspectives. Most of the time the integration of different requirements is harmonious, but there are times when compromises need to be made to derive the optimal solution. Optimum is typically a careful balance, for example a control room that is too small restricts movement, compromises the arrangement of safety critical equipment and increases the potential for noise distraction. One that is too large can make communications and interaction difficult. Ultimately the control room needs to facilitate human performance.