



# *Allegiance*

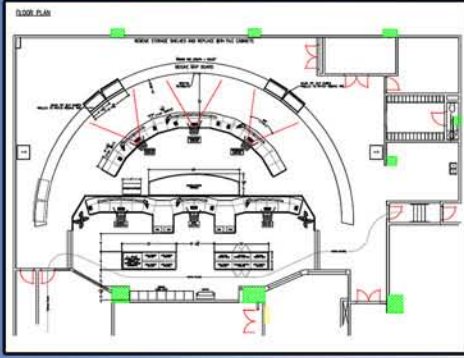
## design services

**Traditionally**, engineers and designers place technology and components around designated operating positions (equivalent to placing furniture in a room). Our experience shows that **no two control rooms are alike** and this type of approach is truly hit or miss.

Mauell's signature *Allegiance* design service analyzes all aspects of control room usage, hardware, and spatial requirements in order to provide a recommended solution that will best optimize control room operations, using best match technology. **Mauell is committed to optimizing control room operations** through a proven analysis, design and build process.

## Doing the Homework

Before even the first concept is put to paper, Mauell completes a thorough application study to analyze and gain a complete understanding of control room usage and requirements relative to the operating environment. During this process, Mauell interviews key personnel including control room operators and managers. Working closely with each client, Mauell establishes specific project goals, generates an approximate budgetary and defines general spatial limitations.

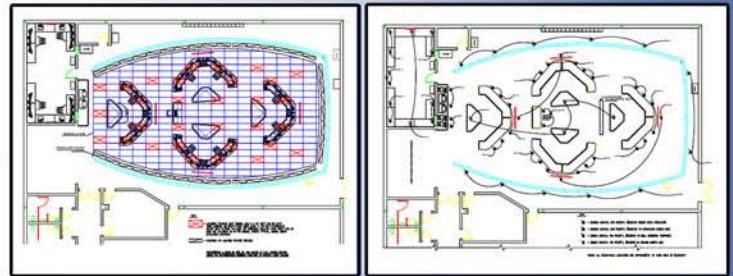


## Conceptual Planning

After collecting and analyzing information critical to the design process, **initial concepts are put to paper**. Our experienced control room designers work with a team of engineers, estimators, and design drafters to recommend a design proposal. This process includes identifying acceptable technology, space requirements, impact to ancillary systems, and a “turn-key” budgetary estimate.

## Detailed Schematics

Once the conceptual planning has been completed and approved, Mauell engineers and design drafters work to create schematics that give **detail to system hardware, spatial positioning, and ergonomic considerations**. This level of the design proposal includes construction details, ancillary system design, establishing lighting placement, flooring layout, electrical loading/placement, and more.



## Total Visual Depiction

After the detailed plans have been approved, Mauell takes visualization to the next level, creating a complete 3-D rendering of the proposed control room. Mauell’s skilled staff then uses **state-of-the-art technology** to build a 3-D virtual walk-through of the control room, creating a synoptic view of the design from every angle. Each 3-D walk-through is rendered to very closely replicate what the finished control room would look like, taking into account the spatial and visual aspects, laid out in the previous stages.

## Bringing It All Together

As the final step, Mauell condenses the entire design process into a Design Report that details Mauell’s recommendations. The report includes: Project Analysis, System Design, Build Project Requirements, Investment and Supporting Documentation. Mauell is committed to creating an environment where technology and human factors are culminated into an efficient and harmonious design.

***Mauell is your total source control room integrator  
from design to build.***