



## Case Study

# Supreme Court

The joint venture between a primary government contractor, an interior design company and Profound Technologies resulted in enhancing the Security Operations Center at the Supreme Court. Profound Technologies provided comprehensive design consultation, documentation, hardware, and implementation services to enhance the main operations room utilized by the police department serving the Supreme Court.

The project's main objective was to install a custom furniture system in a smaller command and control environment, transforming it into a Security Operations Center in the basement of the US Supreme Court. The primary focus was on developing an intuitive AV Control system that would allow the security team to view camera feeds and other security data on two large-format displays at the front of the room. The system needed to support the selection and routing of approximately 16 different video sources for evaluation.

The collaboration between Profound Technologies and the government prime contractor was initiated through an introduction

facilitated by Crestron Electronics. "The choice of Profound Technologies for this partnership was based on their renowned expertise in design-build services for AV systems, along with their capacity to deliver comprehensive hardware, engineering, software, and user-friendly interfaces. It was evident that their extensive knowledge and experience made them the ideal partner for the project", as acknowledged by the Government Prime Contractor.

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Profound Technologies initiated a thorough design consultation process to ensure that the upgraded operations room met the requirements of the police department. This involved conducting a user survey, assigning a dedicated project manager, and working closely with end-user representatives and a UI designer. The consultation process aimed to clarify various use cases and empower end users with the necessary control to perform their job duties efficiently.

As part of the project, Profound Technologies provided engineered drawings for the AV signal flow and a UI flow chart for touch panel functionality. These detailed and comprehensive documents played a vital role in gaining approval and aligning expectations with the client. The documentation



facilitated a clear understanding of the system design and enabled effective programming of the custom software.

Kevin Busza, COO of Profound Technologies, acknowledged that “The implementation of the hardware presented challenges due to the limited space in the Security Operations Center. Despite the constraints, Profound Technologies worked diligently to design and install the system, ensuring it met the space limitations while maintaining functionality.” Additionally, the system’s numerous source inputs, such as PCs and cameras, required meticulous attention to detail during physical installation and proper source naming conventions for intuitive user interaction.

The project was completed within a two-month timeframe, from start to finish. The upgraded Security Operations Center yielded positive outcomes, exceeding the expectations of both end users and the government prime contractor. The system’s seamless performance and enhanced AV control capabilities significantly improved the effectiveness and efficiency of the police department’s operations within the Supreme Court premises.

The government prime contractor and the police department provided overwhelmingly positive feedback on Profound Technologies’ professionalism and successful project delivery. Kevin emphasized how “The collaboration led to requests for future projects, demonstrating the trust and satisfaction of the clients.” He also noted that this positive experience positions Profound Technologies as a preferred partner for future collaborations in similar government or security-related projects.

Through a collaborative effort and their expertise in design consultation, documentation, hardware, and implementation, Profound Technologies successfully upgraded the Security Operations Center at the Supreme Court. The project provided an intuitive AV Control system, enhancing the functionality of the operations room, and improving the overall effectiveness and efficiency of the police department’s operations. The success of the project solidifies Profound Technologies’ reputation as a reliable partner in delivering high-quality AV solutions for government and security-focused organizations.