



Indian Oil Corporation Limited

INTRODUCTION

A diversified, integrated energy major with a presence in almost all the streams of oil, gas, petrochemicals, and alternative energy sources, Indian Oil Corporation Limited (IOCL) is one of India's most socially responsible brands. IOCL has successfully combined its corporate social responsibility agenda with its business offerings. As Asia's finest in downstream petroleum R&D, IOCL enjoys a competitive advantage through world-class technology, cutting-edge process solutions, and innovative products.

"CRESTRON'S SOLUTIONS MADE IT EASY FOR OUR ORGANIZATION TO STAY CONNECTED AND UP TO DATE WITH THE LATEST TECHNOLOGY. SINCE INTEGRATING THE CRESTRON FLEX PRODUCTS INTO OUR OPERATIONS, WE HAVE SEEN A DRAMATIC IMPROVEMENT IN OUR COMMUNICATION, COLLABORATION, AND PRODUCTIVITY."

Mr. Himanshu Aggarwal
*Sr. Manager (ES),
Indian Oil Corporation Limited*

THE CHALLENGE

IOCL was seeking to transform a single-use space into a multi-purpose room with specialty solutions that would cater to any need by using every angle of the room. The space needed to act as a meeting or training room, and with a click of a button, change into an extra-curricular or cultural activities room for hybrid and offline scenarios. IOCL sought a reliable solution with a strong track record of performance.

THE SOLUTION

Crestron took on the role of adviser and integrator, thoroughly inspecting the room to understand the best way to leverage everything it had to offer. In collaboration with the IOCL team, Crestron designed spaces that would increase efficiency and improve the user experience.

"WE HAVE BEEN USING CRESTRON'S AUTOMATION SOLUTIONS FOR SOME TIME NOW, AND WE ARE TRULY AMAZED AT HOW MUCH EASIER THEY HAVE MADE MANAGING OUR CORPORATE MEETINGS. THEIR INTUITIVE INTERFACE ALLOWS EVERYONE TO QUICKLY NAVIGATE THE DIGITAL MEDIA DISTRIBUTION FROM ONE CENTRALIZED PLATFORM FOR A SEAMLESS EXPERIENCE."

Mr. Himanshu Aggarwal
*Sr. Manager (ES),
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THE TECHNOLOGY

The center of the technology is a Crestron control system, a high-performance control processor that can be integrated with a wide variety of audio, video, lighting, motorized shades, thermostats, door locks, sensors, security systems, and other equipment. The control system brings together AV and UC capabilities in a scalable solution that can adapt to different room sizes, audience numbers, and event types. This allows users to adjust the lighting, sound, and video display settings depending on the type of event.



Crestron applied a specially curated UC solution to equip the room with video and audio capabilities through native Zoom Rooms® video conferencing offerings, which also provides seamless BYOD functionality through USB pass-through, making the solution platform-agnostic. The room consists of four displays positioned where content can be routed by a Crestron touch screen interface, allowing anyone to control the room using a single point of control. In addition, conference room visitors can connect their laptops to the Crestron Flex system to use their own UC conference platforms from their own devices. The Crestron tabletop touch screen provides a consistent conferencing experience that enables employees to run their Zoom Rooms® meetings natively or control their environment across the multi-purpose room.

A high-resolution DigitalMedia™ switcher comprehensively manages each display to ensure that every source is presented at the optimal resolution and format. Crestron's XiO Cloud® management and monitoring platform is also used for remote provisioning, monitoring, and managing all Crestron devices across the enterprise. The solutions can integrate with other systems in the room, such as high-end tile ceiling microphones, digital signal processors, and high-resolution cameras working in speaker-tracking mode.

High-quality DigitalMedia transmitters and receivers were also deployed to provide a simple point-to-point signal extender for HDMI® connectivity video and audio signals up to UHD and 4K. Post-deployment training smoothed the transition to the new system offering staff and employees the tools they needed to use the system successfully.

"THE CUSTOMER SERVICE PROVIDED BY CRESTRON IS SECOND TO NONE. WHENEVER WE HAD AN ISSUE OR NEEDED ASSISTANCE WITH SETUP, THEIR TEAM WAS THERE TO HELP US EVERY STEP OF THE WAY. THE TECHNOLOGY THEY PROVIDE IS STATE-OF-THE-ART AND HAS ENABLED US TO STREAMLINE OUR OPERATIONS IN WAYS WE NEVER THOUGHT POSSIBLE. THEY ARE A TRUE LEADER IN WORKPLACE AUTOMATION."

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RESULTS

Crestron's products and devices have enabled the IOCL team to take its training across India, allowing anyone to connect on the call at the touch of a button. In addition, it has eliminated the hassle of people carrying their laptops and other devices, increasing efficiency and saving time while enabling users to focus on their meetings with easy-to-use technology. The success of the space has prompted IOCL to roll out the same technology in other meeting areas.

"Coming from the basic idea of turning a single-use room into a multi-purpose one, we didn't know what we specifically desired beyond ensuring the room was used to its full potential. However, we didn't have to because Crestron took charge and guided us through the entire process and what the final product will look like," explains Himanshu Aggarwal, Sr. Manager (ES), IOCL. "We had no trouble following because of how seamless it appeared. We complied with their request to trust the process and are very happy that we did! The result has been excellent."

Featured Products

Crestron Flex Advanced Video Conference System Integrator Kit for Zoom Rooms® software UC-CX100-Z

4-Series™ Control Systems CP4

DM Lite® Transmitter for HDMI® Signal Extension HD-TX-101-C-E

DM Lite® Receiver for HDMI® Signal Extension HD-RX-101-C-E

8x8 4K60 4: 4: 4 HDR AV Switcher HD-MD8X8-4KZ-E

10.1 in. Tabletop Touch Screen TS-1070