Vallect installs FIDS (Flight Information display system), CCTV (security system), PA (Public Addressal) systems, and audio solutions at Ayodhya airport to provide easy travel accessibility to the visitors with the recent inauguration of Ram Mandir

Vallect Captivates Ayodhya Visitors at the Airport with Best-in-Class AV Solutions

*Since the consecration ceremony of **Ayodhya's Ram Mandir**, devotees have started visiting the venue with devotion. With the government's focus on creating impressive large-scale visitor venues like Ayodhya in India, **Vallect** took immense pleasure in fulfilling the AV requirements at the Ayodhya airport, deploying cutting-edge AV solutions for visitors' attention. **Vipin Yadav**, Project Manager, Vallect along with the team, briefed **AV-ICN Expo Magazine** on the successful AV integration at the Ayodhya airport.*

Ayodhya Airport, officially named as Maharishi Valmiki International Airport, **Ayodhya Dham**, is an international airport serving the twin cities of Ayodhya and Faizabad in the state of Uttar Pradesh, India. The airport required integration solutions for FIDS (Flight Information display system), CCTV (security system), PA (Public Addressal) systems & audio solutions. Vallect, one of the leading infrastructural technology system integration service providers, designed, deployed & integrated Audio systems, Visual displays, PA Systems, EPABX & IT Infrastructure (Network) at the Ayodhya airport.

A proper site recce was performed by the team before the final installation was initiated and therefore, the team came up with the following observations:

- **General overview:** The airport is a bustling hub of activity, with a steady flow of passengers and airport

staff and the layout is well-segmented, with distinct zones for check-in, security, departure gates, and arrival areas.

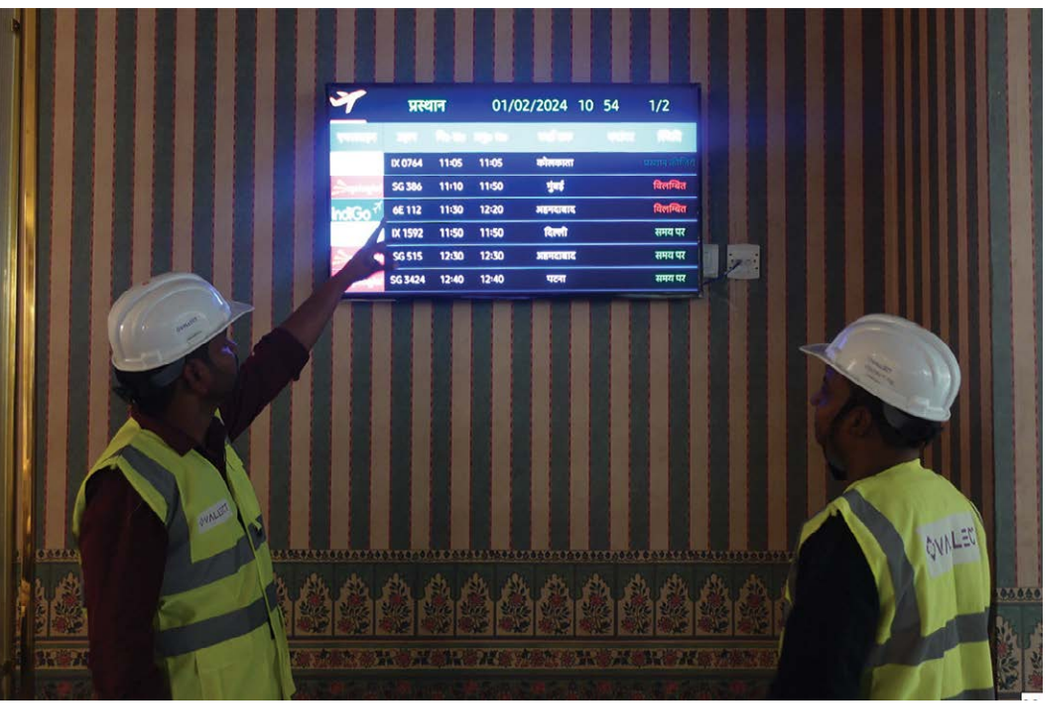
- **Infrastructure:** The airport infrastructure needed a mix of digital displays, announcement systems, and public address speakers to be strategically placed throughout the terminal. Furthermore, there are designated areas for potential installation of additional audiovisual equipment, such as waiting lounges, gate areas, and baggage claim sections.
- **Electrical and Networking Infrastructure:** Power outlets are available at various points throughout the terminal, facilitating the installation of the equipment and network connectivity appears robust, supporting Wi-Fi services for passengers and staff, which could be leveraged for networked audiovisual solutions.
- **Regulatory Compliance and Safety:** Compliance with relevant safety standards and regulations is imperative for the installation of audiovisual equipment, particularly concerning fire safety and emergency evacuation procedures. Any installation must not obstruct emergency exits or impede the flow of passengers during evacuations.
- **Recommendations:** The team conducted a detailed assessment of the terminal layout to identify optimal locations for the installation of equipment, considering passenger flow and visibility. Vallect further evaluated existing infrastructure to determine compatibility with proposed audiovisual solutions, which also ensure future scalability. The team also observed the need to provide training to airport staff on the use and maintenance of the new audiovisual equipment to ensure smooth operation and timely troubleshooting.

Choice and integration of AV solutions

As specified by the client, the airport required FIDS (Flight Information Display System), displays across the airport along with audio solutions, Public Addressal System & IT infrastructure essentially, to handle turnkey solutions from infrastructural technology system integration standpoint.

With a huge space around the airport and civil work being a priority, there were multiple dependencies on the civil team's work progress. As systems integrators, Vallect had to adhere to tight deadlines with the airport's inauguration round the corner. The team had to coordinate with multiple vendors to ensure they are on track for the system installation, working tirelessly. Even though the timeline was so tight, the team completed the project in a staggering three months while deploying state-of-the-art AV and sound solutions, ensuring complete customer satisfaction.

To successfully deliver the project, Vallect's team mentioned that they camped the site, going above and beyond their scope to ensure they met the mapped-out date without compromising on quality.



FIDS (Flight Information Display System) installed at the Ayodhya airport

Inventory List:

FIDS:

- Samsung 43" 4K UHD professional display – 16 units
- Samsung 55" 4K UHD professional display – 11 units
- 22" Interactive touch screen kiosk
- Xtreme Media 3.9 mm pixel pitch video wall – 1 unit

PA Systems:

- Heinrich recessed ceiling mount speaker – 68 units
- Amplifiers
- 6-watt cabinet speakers - 16 units
- 30-watt wall mount weatherproof speakers – 15 units
- 60-watt passive line array - 18
- Digital line array loudspeakers with built-in DSP – 5 units
- Weatherproof metallic speakers EN 54 – 10 units
- Omni direction noise sensing microphones – 9 units
- Volume controllers – 22 units

IT Infrastructure:

Network: Ruckus
Firewall: Sophos
EPABX: NEC

Feedback and success

The **AAI team** was exceptionally satisfied with the project delivery & were extremely thrilled that the team front ended the entire initiative on their behalf to get the infrastructural technology solutions achieved within the decided timeline without compromising on quality. **Vipin Yadav** stated, "They highly appreciated our team's dedication & skills to handle such a prestigious & critical project with ease. The project was inaugurated on time with all the systems running properly. All the requirements were successfully achieved by the team, and seamlessly running FIDS, PA Systems, and IT network are the testament for the successful project delivery."

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