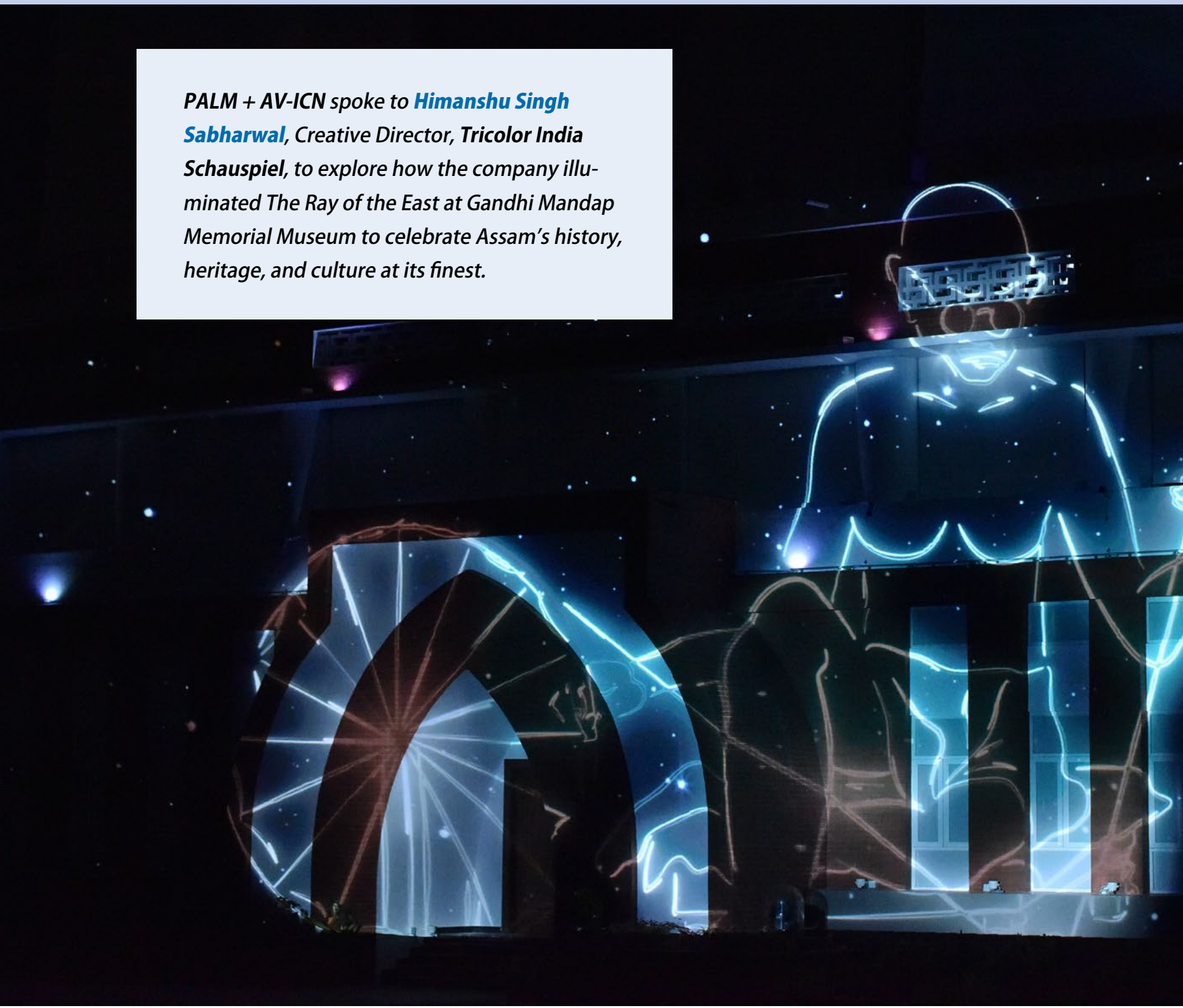


Revisiting Guwahati's Glorious Delivers Assam's First 3D Gandhi Mandap

*PALM + AV-ICN spoke to **Himanshu Singh Sabharwal**, Creative Director, Tricolor India Schauspiel, to explore how the company illuminated *The Ray of the East* at Gandhi Mandap Memorial Museum to celebrate Assam's history, heritage, and culture at its finest.*



Past: Tricolor India Schauspiel Projection Mapping at Memorial Museum

Guwahati, Assam has been imprinted with multiple historical and cultural milestones. The most influential of these milestones, perhaps, is Mahatma Gandhi's visit to the Sarania Hills – the first one in 1921 and the last one in 1946. The Father of the Nation ignited the spark of freedom in the minds of Assamese citizens between the aforementioned years, and thus, in his fond memory, on top of the Sarania Hills, stands tall his namesake monument – aptly named the Gandhi

Mandap Memorial Museum. Created to preserve and exhibit the history and heritage of Assam in all its glory, the Gandhi Mandap Memorial Museum is touted to be one of the north-eastern state's most popular tourist spots.

On 2nd October, 2022, Gandhi Mandap's façade was visually transformed. It glowed bright – with colour and life, thanks to jaw-dropping 3D projection mapping – the first of its kind, not just in Assam, but in the entire Northeast India. Envisaged by the Government of

Assam and brought to life by audio-visual integration by Tricolor India Schauspiel, the 3D projection mapping and holographic projection at Purva Prabha or The Ray of the East at the Gandhi Mandap is truly a sight to behold. PALM + AV-ICN spoke to Himanshu Singh Sabharwal, Creative Director, Tricolor India Schauspiel, to explore how the company illuminated The Ray of the East at Gandhi Mandap Memorial Museum to celebrate Assam's history, heritage, and culture at its finest.



Shining the light on Mahatma Gandhi's influence in Assam's with 3D projection mapping at Purva Prabha, Gandhi Mandap Memorial Museum

Delivering Jaw-Dropping Sight & Sound With Aplomb

It was after a rigorous selection process that Guwahati Smart City Limited entrusted the Purva Prabha project over to Tricolor India Schauspiel, a creative audiovisual integration company that breathes life into visionary projects with 3D projection mapping, holographic mapping, augmented reality, water installations, and more.

“The brief that we received from the client for the Light and Sound Show on the Gandhi Mandap was that the building façade was to be theme based and was intended to showcase the heritage of Assam and the life story of Mahatma Gandhi,” shares Himanshu Singh Sabharwal. He further adds, “The idea was to convert the Gandhi Mandap into a vibrant urban space that would provide the visitor a comprehensive introduction to the heritage of Assam, inclusive of its chronological history, historical monuments in the city, focusing on Mahatma Gandhi’s life, and his message to the nation. The idea behind the implementation of the project was to add value to the already enhanced environment in the Gandhi Mandap premises resulting in more visits by the tourists.”

But before Tricolor India Schauspiel embarked on the strict time-bound project, the team decided to perform a recce of the premise to explore the terrain at hand and the elements it could deliver in order to give rise to something unique in terms of sight and sound. Needless to say, the road to glory wasn’t all sunshine and roses. Challenges were yet to present themselves....



Bringing Assam's history and heritage to life with holographic projection mapping

Turning Obstacles Into Opportunities

Projection mapping is easier said than done. No one knows this better than Himanshu Singh Sabharwal. He recalls the challenges the terrain produced for the team at Tricolor India Schauspiel while working on embedding it with 3D projection mapping, “Projection mapping isn’t just throwing images on a surface, one needs to use the given features of the building to better explain the emotion behind the show and further enhance the experience of the visitor.”

Explaining the challenges in detail, Sabharwal adds, “One major issue we faced here was the ‘L’ shaped façade of the Gandhi Mandap. From the seating area, the visibility of the right side would be distorted and create a parallax effect. This would have wasted the function of two projectors on the

side. The Mandap also had large glass windows and empty spaces on the first floor between the pillars, resulting in hollow spaces and dead zones for projectors and lighting.”

But these challenges were not insurmountable. A smart team with a proven experience in projection mapping and audiovisual integration is all it takes to turn the obstacles into opportunities to give rise to excellence. Sabharwal shares how he and his team put their minds together to come up with a solution for the aforementioned problems, “To overcome the L shaped façade, we proposed to have two projectors on the front façade and further extend the vista by utilizing holographic projections on the terrace of the mandap. The innovation gave us more surface to project on and create a larger-than-life experience.”

He continues, “For the glass windows, we used two-way films which allowed sunlight to pass through during the day, but acted as light blockers at night, providing a surface to be projected on. As for the first floor, retractable screens were used to cover the hollow spaces between the pillars which acted as surfaces for projection and lighting.”

With the challenges now overcome, the task for Tricolor India Schauspiel team was to translate the brief by the client into a thematically enriched audiovisual projection that existed in synergy with Assam’s cultural and spiritual history and allow the site to mirror it effectively.

The Key To Successful AV Integration: Using The Right Equipment

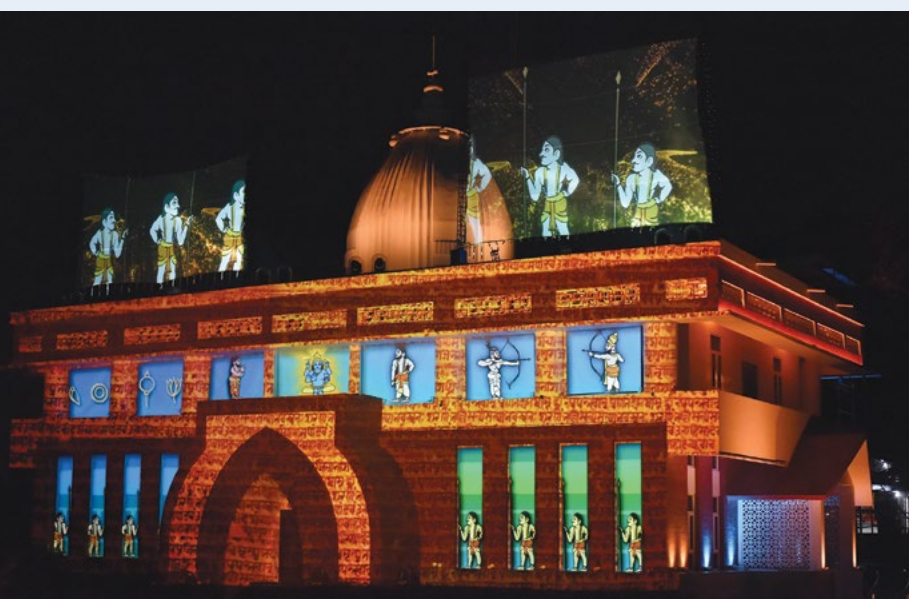
Good design cannot happen without

Inventory:

- Four Christie DWU20 HS Projectors
- Four JBL in-audio support system for a 5.1 surround sound experience
- Two hydraulically-operated holographic meshes to elevate the façade and the vista
- Two RDM
- One Cisco 24 Gigabit Port Network Switch
- Four Lightware AV Switchers
- Three Media Servers
- Two WatchOut Dongles
- LPS Lasers
- Intelligent Lighting: Moving heads and dynamic architectural lighting

good equipment. When it came to the technical bits and pieces, Himanshu Singh Sabharwal comments, “As part of the guidelines laid down by the client, a BOQ was already in place which was to be complied with. We worked alongside the client, meeting their requirements at every step in terms of the hardware to be installed. Premium quality equipment was used for the install for durability and longevity. To name a few, four high-end projectors each of 20,000 lumens from Christie, lasers from LPS, all-weather sound systems from JBL, weatherproof enclosures for various equipment by Warrior, and a combination of architectural façade lighting in sync with the show for a dramatic visual experience.”

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Tricolor India Schauspiel's 3D projection mapping at Gandhi Mandap shines the light on Assam's rich history & culture