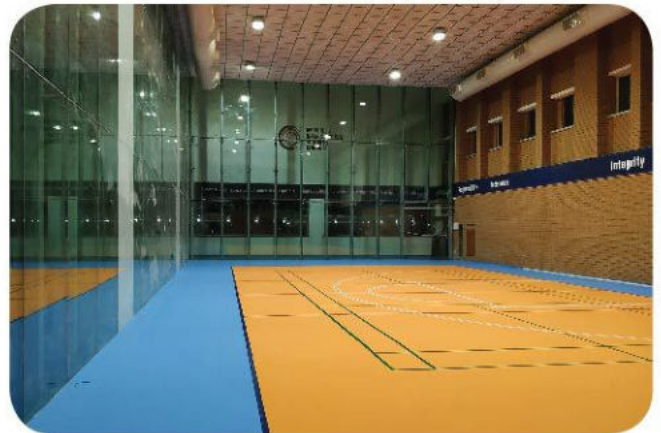


# American International School Chennai

Tamil Nadu

Complete turnkey delivery of “glass-walled” gymnasium – perhaps the first of its kind in India

**Date of Project Completion :** August 2019



American International School Chennai – with infrastructure that very few schools can lay claim to in India and the entire SAARC region, decided to up the ante and go one step further and create a secure gymnasium using an existing space – a large alcove with walls on two sides – by adding two more walls, but of glass! This was a challenge, but an exciting one and Altius Sports lived up to its task by having had designed exactly what the client had envisioned.

After establishing the foundations, structural columns were erected so that the entire load would be transferred to the foundations and not on the beam above. The glass was 4-layered, 2 on the outside and 2 in the inside and totally seamless inside with the bolts all in the cavity. This laminated, shatter proof glass was manufactured such that it would keep the heat out, yet let the light in and at the same time, considering that the facility would be air-conditioned, it was made condensation resistant as well. As for the strength – baseballs were thrown at with full force, and fury and it simply remains impact resistant.

For the play/activity area, the current base was chipped and a reinforced cement concrete base was made such, that post installation of shock-pad and Polyurethane, the levels would be flush and there would be no trip hazard. The colour combination as chosen by the school was modern, bold, attractive and most appealing to students, faculty and parents alike. The existing brick walls were re- designed keeping in mind the façade of the school and the ceiling was given a complete acoustic panel to ensure that the only sounds one heard was of joyous and energetic children.

To our surprise, the hiccups that we faced on this project was never with the structure or the glass, but the two doors on the glass panel – what would be the ideal position for them to open; do we make it sliding; do we make this of glass or polycarbonate. Now, with sunlight pouring in and a glass wall that is tougher than cement, this facility is not only a jewel in the school's crown, but it also was a challenge to us, enabling us to extend beyond our brief and deliver what is both world-class and enduring, natural yet man-made, solid, yet glass!

At Altius Sports, we can and all for the “love of the sport.”



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