

Elevating India: Unitile partners with DRDO and L&T to build a solid flooring foundation for their massive 7-storey building in just 45 days.

CASE STUDY - DEFENCE RESEARCH AND DEVELOPMENT ORGANISATION



ABOUT THE PROJECT

Unitile is incredibly proud and honoured to partner with the Defence Research and Development Organisation (DRDO) and Larsen & Toubro to build a facility to support the R&D activities for developing avionics for fighter aircraft and FCS for Advanced Medium Combat Aircraft (AMCA). Flight Control System or FCS is a part of the Aeronautical Development Establishment (ADE), one of the labs of DRDO. This 7-storey state-of-the-art complex of 1,30,000 sq. ft. in Bengaluru will aid in researching and developing fighter aircraft, including Advanced Medium Combat Aircraft. The construction for this project began on February 1, 2022, and by March 17, the structure was ready in a record-breaking timeline of 45 days.

PROJECT SPECIFICATIONS

Product Used:	
Unifold 1650	
Workspace Type:	
Aeronautical Development Establishment	
The Total Area:	
1,30,000 sq. ft.	
Raised access floor installation:	
Commencement:	Completion:
05-02-2022	15-03-2022
Duration:	Developer:
38 Days	Larsen & Toubro

NEED FOR SPEED

The construction of this facility placed a high value on quality and speed. Opting for a conventional or traditional floor would pose numerous challenges. The traditional flooring requires wet works such as IPS/screeding, and the curing process leads to a loss of significant time which can be over 21-30 days or more depending on the floor plate size and site location and challenges as no other service agencies can work simultaneously. Hence, a hybrid construction system with raised access flooring system was employed to increase productivity, maximize resource utilization, and speed up the process.

SEAMLESS AND SIMULTANEOUS INTEGRATION

A raised access floor system can be directly installed on the mother slab provided by the developer irrespective of its rough surface and undulations. As a dry construction process, the raised access floor eliminates the need for wet works like IPS/screed and tiling. For DRDO, we began the installation on February 5, 2022, and completed it on March 15, 2022, in 38 days while working simultaneously with other service agencies. We thank them for the opportunity and for trusting Unitile for this significant project.

SETTING A RECORD FOR THE INDIAN CONSTRUCTION INDUSTRY

Unmatched quality coupled with high-speed hybrid construction technology; this 7-storey was built on Unifold – the world’s only raised access flooring system with noise-neutral technology. Unitile is proud to contribute to a significant infrastructure that has set a record for the Indian construction industry.

