

# LIFT Youth Hub Recording Studio

## London, UK



## Case Study



**Property Owner**  
Islington Council



**Main Contractor**  
FTD Electrical



**Acoustic Consultant**  
Arup



**Architect**  
Tidal Architects

### Stravifloor Channel

- Isolated steel batten system for the support of a fiber cement board based floating floor application, using strong, galvanized steel channels over the isolation pads
- Uses steel channels to facilitate the positioning of the optimized discrete supports, allowing fewer contact points (transmission paths) to the subfloor

### OVERVIEW

LIFT Youth Hub Recording Studio is a vibrant space in London, born from the transformation of a historic Victorian school. Beyond its stunning architecture, the hub offers an array of facilities, including a gym, meeting rooms, large multi-use halls, indoor and outdoor kitchens, a spacious dance studio, and a breathtaking rooftop terrace with panoramic views.

LIFT is a sanctuary for young minds seeking personal growth and opportunities. Whether it's guidance on apprenticeships, college applications, CV building, job hunting, volunteering, or project development.

The centerpiece of this remarkable hub is the recording studio, a space for local kids to nurture their musical talents and create art. Moreover, local businesses can hire this studio, contributing to the growth and sustainability of the entire hub.



## SOLUTION

In their recording studio, we took acoustic isolation to the next level with the installation of a [Stravifloor Channel](#) floating floor system. The foundation for this system are strong galvanized steel channels placed over medium stiffness isolation pads. This solid base supports the fiber cement board-based floating floor application, ensuring stability and optimal performance.

Furthermore, the solution incorporates a damping layer, guaranteeing exceptional sound isolation from the rest of the building. To achieve this isolation effectively, we implemented a perimeter isolation strip ([Perimeter Strip](#)) to separate the floating floor from the surrounding structure.

Thanks to the meticulous installation, the recording studio now boasts unparalleled sound quality, providing an ideal environment for artists and musicians to unleash their creativity without interference from external noise and without disturbing the surrounding spaces.

## AT A GLANCE

### CHALLENGES

- The requirement for low frequency sound insulation performance as the recording studio will be used by students playing a wide range of instruments, from drums to guitars.
- The floating floor was installed as part of a box-in-box solution whereby the walls and ceiling were built off the floating floor with minimal connections back to the surrounding structure.

### BENEFITS

- Isolated floor as part of a box-in-box solution whereby the walls and ceiling are built off the floor.
- Due to reduced contact surface of rubber pads on floors and walls, along with ample air gap, excellent airborne noise isolation is achieved, even at lower frequencies.

13 m<sup>2</sup>

Stravifloor  
Channel

