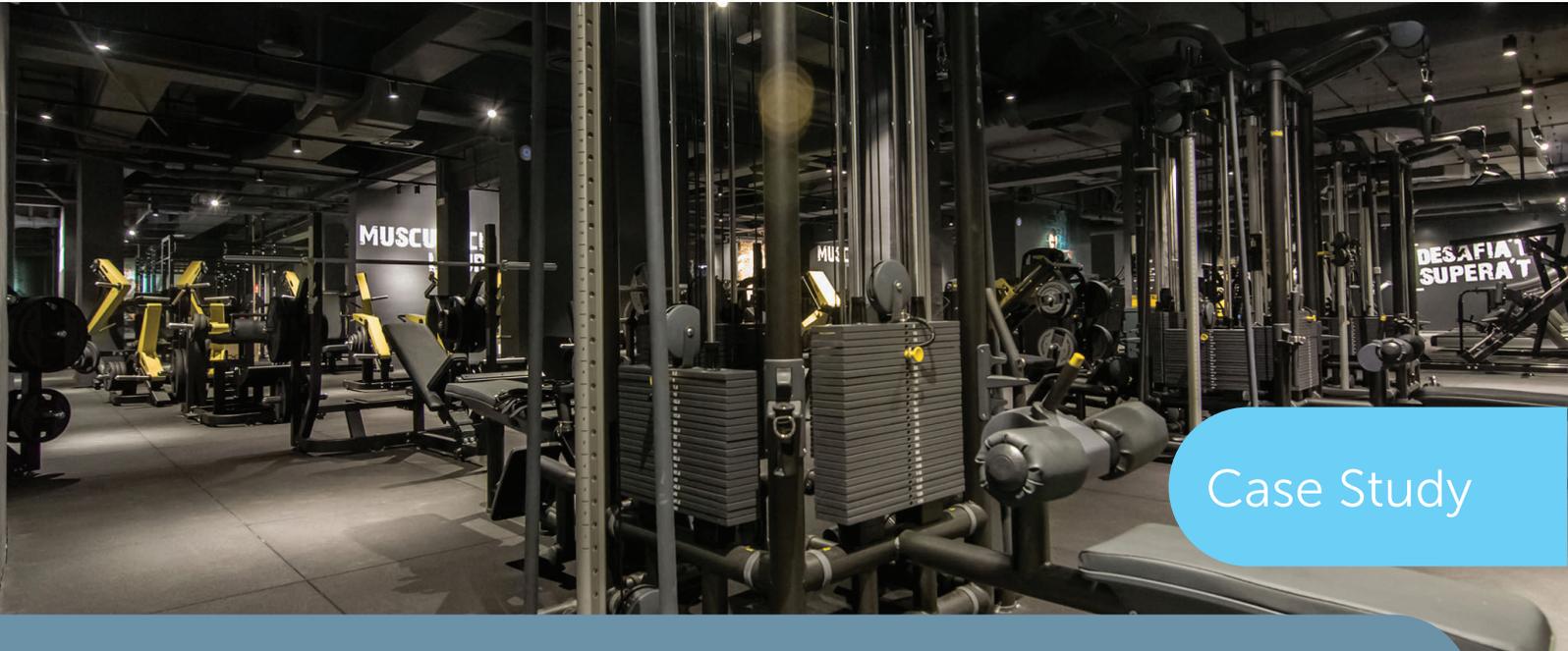


Fitness Park Casanova

Barcelona, ES



Case Study



Property Owner

Fitness Park



Acoustic Consultant

Apling

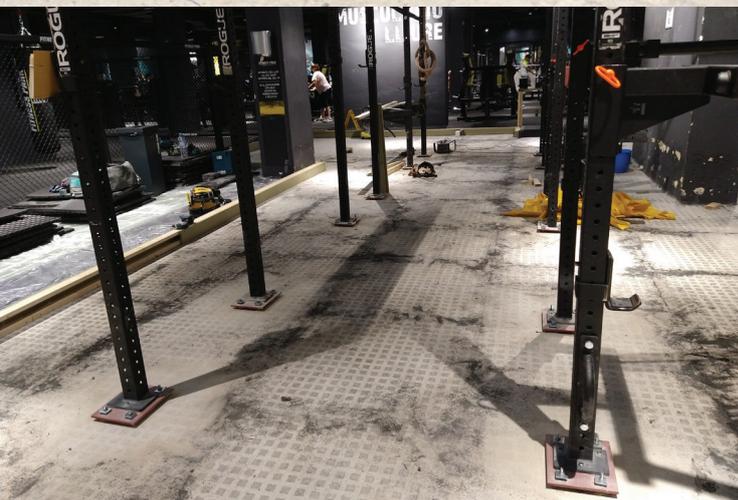
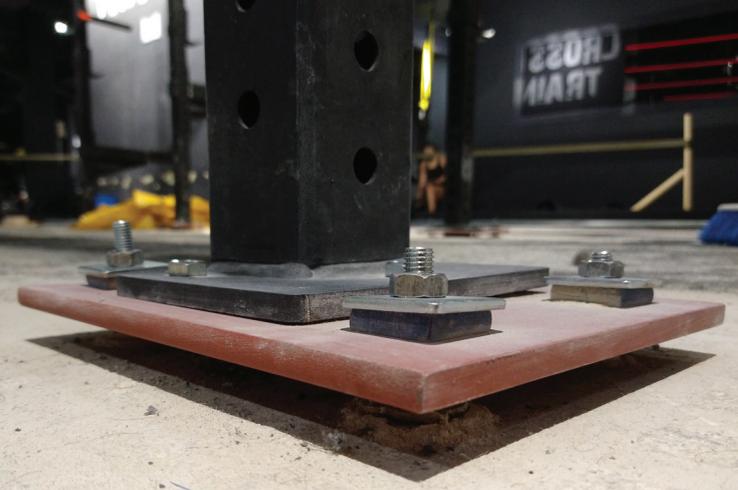
OVERVIEW

Fitness Park Casanova in Barcelona is an example at the forefront of sports technology with an area of over 2,500 m². This club has areas for multiple activities, such as guided weight training and free weights, cardio, spinning, group classes with coaching or virtual and cross training, and has special areas dedicated to high-intensity activities, power plates, etc.

With a such big amount of activities and being an club open 7 days a week from 6 am to 1 am, 365 days a year, the acoustical issues are inevitable.

Stravigym XP, Stravigym GympactLayer, Stravimech Fix

- “Extreme Performance” discrete isolator floating floor system that offers superior structural resistance and acoustical performance. (Stravigym XP)
- Impact absorption layer extends the time of contact/impact reducing the peak impact force and the noise generated. (Stravigym GympactLayer)
- Elastic isolation fixation which guarantees total vibration decoupling from a non-isolated structure to another isolated structure. (Stravimech Fix)



SOLUTION

A [Stravigym XP](#) system with [dBooster®](#) technology and [Stravigym GympactLayer-20](#) or [Stravigym GympactLayer-45](#) was installed on the cross training and free weight zone respectively to stop the propagation of vibrations and impact noise generated by weights being dropped on the floor and impacts of other functional activities.

The existing functional racks in this area, where many of the users hang for certain physical activities, generating bending moment, were mechanically fixed to the structural slab in an elastic way using [Stravimech Fix](#) isolators.

AT A GLANCE

CHALLENGES

- Disconnect the functional racks from the building structure to prevent the propagation of vibrations through them.
- Selection of an efficient floor system with limited extra weight and fast and quick to install.
- Make the fixings compatible with the chosen floor solution.

BENEFITS

- The existing floor covering could be reused.
- Quick and easy installation.

246 m²

Stravigym
XP

12 sets

Stravimech
Fix

