



Case Study



Property Owner
Agora Budapest



Main Contractor
AppInGym Kft.



Acoustic Consultant
Józsa Gusztáv



Architect
Florian Frotscher

OVERVIEW

AppIn Gym is located in Agora, a new building complex situated in the thirteenth district in Budapest. Agora was designed to go beyond an average workplace and be an inspiring lifestyle hub.

AppIn Gym is located on the first floor of a mixed-use development, above retail shops and below corporate office spaces. Budapest's newest gym offers a huge variety of fitness equipment and training courses, including weight lifting, cardio training and crossfit, allowing gym-goers to perfect any muscle group.

Stravifloor Channel, Stravilink PHS-S

- Isolated steel floor batten system for the support of concrete floating floors (Stravifloor Channel)
- Elastomer acoustic suspension hangers designed to support suspended sound systems (Stravilink PHS-S)



SOLUTION

To mitigate the vibrations and resulting impact noise at Appln Gym, and to prevent noise problems in neighboring spaces, an isolated steel batten [Stravifloor Channel](#) system was installed with wet flooring over the entire surface of the gym.

An additional [Stravigym GympactLayer-45](#) was placed in the free weight area to extend the time of contact/impact and, thereby, reducing the peak impact force and the noise generated, while at the same time protecting the concrete floating floor.

A rubber ramp at the perimeter of the free weight area was installed to allow easy access between areas with floor systems with different build-up height.

In addition, CDM Stravitec provided [Stravilink PHS-S](#) elastomeric hangers from which the gym's sound system was suspended.

AT A GLANCE

CHALLENGES

- The gym is on a mid-floor, CDM Stravitec had to make sure to isolate the noise in both directions
- Different fitness activities (= different types of noise generated), CDM Stravitec had to design a system compatible with all activities, ensuring easy access between areas with slightly different floor setups.

BENEFITS

- Solutions easily adapted to different load and performance criteria
- Floor system with superior structural stability and protected from heavy impacts
- Discrete solution (offering better noise reduction at low frequencies) with enhanced stiffness

483 m²

Stravifloor
Channel

130 m²

Stravigym
GympactLayer-45

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Stravilink PHS-S
Hangers

