

## General Council, Rennes - France

To meet levels of intelligibility and concentration



# Intimacy & Intelligibility

## Description

The city of Rennes built a large meeting / training room to accommodate its city council department.

## Constraints

- A high sloping drywall ceiling slanting from a 7 meter height.
- Little absorption material in the room, only carpet on the floor.
- As a result reverberation time is too long, triggering noise build-up and impacting negatively on speech intelligibility.
- A strip of windows at the top, running the full length of the room provides natural daylight exposure, regarded as a key architectural feature.
- Finally, with a variable capacity ranging from one on one training to larger group conference meetings, the scale of the room needed to be fine tuned and balanced to provide a more intimate experience for individual & larger group events & meetings.



## Solutions

- Based on the room's features and geometry, Armstrong specified a solution to meet both **acoustical performances** outlined by the city council for proper **speech intelligibility** and good **levels of concentration**.
- 12 Ultima Canopies were installed at a 3.5 m height and scattered throughout the 250 m<sup>2</sup> space, the **reverberation time** was significantly improved and the daylight exposure effect maintained.
- Ultima Canopies, acting as a definite "eye catcher", also integrated and complemented existing architectural elements; a direct line of sight with the sloped drywall ceiling was maintained making effective use of the Canopies' radius and aircraft cable attachment systems.
- The texture of the Ultima Canopies allowed to further **enhance the room's lighting** with devices hanging below the Canopies and diffusing a mix of direct and indirect lighting off the Canopies' surface.



**Contractor**  
CRLC

**Owner**  
CG35

**Armstrong Solution**  
Ultima Canopy

Ultima Canopy

## Ultima Canopy



Ultima



2.84 Sabine (metric) (1000 Hz)



≈ 90%



Euroclass A2-s1, d0



70% RH



Ultima Canopy

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