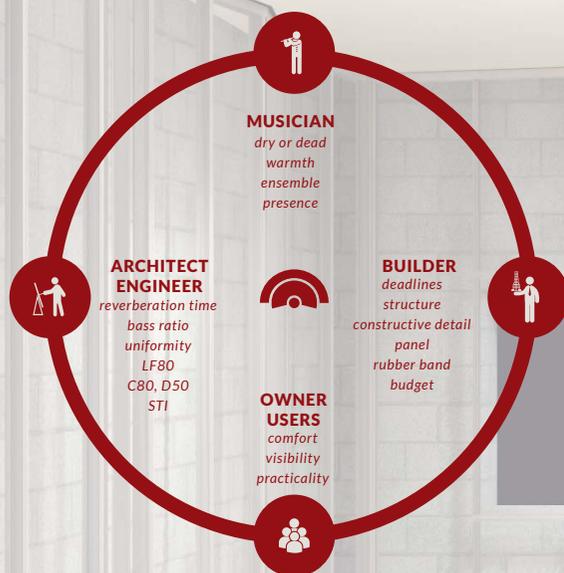


arquison™ was formed in Valencia (Spain) in 2004 by a group of architects who were specialized in architectural and environmental acoustics. They had the common objective to offer projects that combined the best acoustic properties with constructive and aesthetic values. In our work we join acoustics and architecture equally. We provide acoustic consulting services in all kind of spaces and to a wider set of clients, creating personalized acoustic solutions to each situation and moment. We work added values such as mounting details, shop drawings, budgets, analysis of structures, energy efficiency, environmental aspects...

From the beginning, **arquison™** can be distinguished by its strong presence during the construction process as a distinctive and quality value. For us, the acoustics can't be separated from the other disciplines involved in the construction of a building.



A further differentiating factors in his career is due to the situation, Valencia. The existence of the music societies is one of the most peculiar and distinguishing features of Valencia, with an extensive network of practical and musical learning that transforms music in the cultural phenomenon with the highest degree of territoriality. We need only remember that more than half of the music societies of Spain are located in Comunidad Valenciana, with 529 music societies and 39.015 federated musicians.

This situation leads an extensive collaboration with schools of music and rehearsal rooms, from the humblest of societies where create 'Do-it-yourself' to the acoustic design of the Academic Area-Valencia Campus which is one of the most prestigious schools of music around the world, Berklee College of Music.

ACOUSTIC MATERIALS DOSSIER

01/16



Borrull 17 - 1, 46008 Valencia, Spain | T./F. +34 963 921 481 | arquison.com

ACOUSTIC PANELS

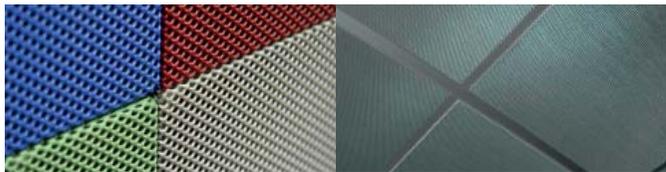
We have a wide range of materials from wooden panels to fabric, metallic, plaster or rockwool panels that give us the tools to develop our design proposals for each room and provide them the quality to maximise the use of this space in every project.



WOODEN PANELS



FABRIC PANELS



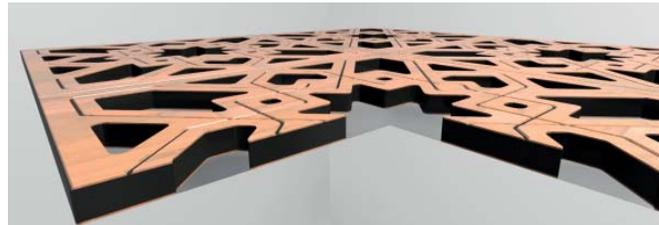
METALLIC WALL PANELS

METALLIC CEILING PANELS

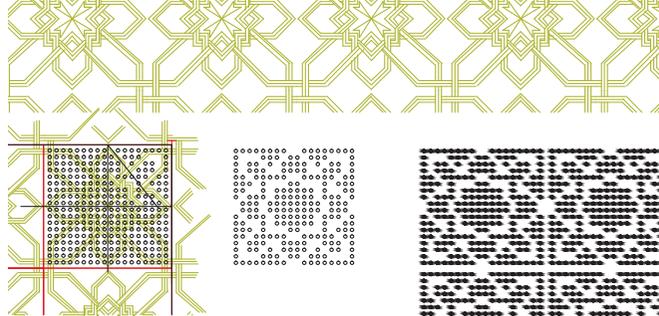


PLASTER CEILING PANELS

ROCKWOOL CEILING PANELS



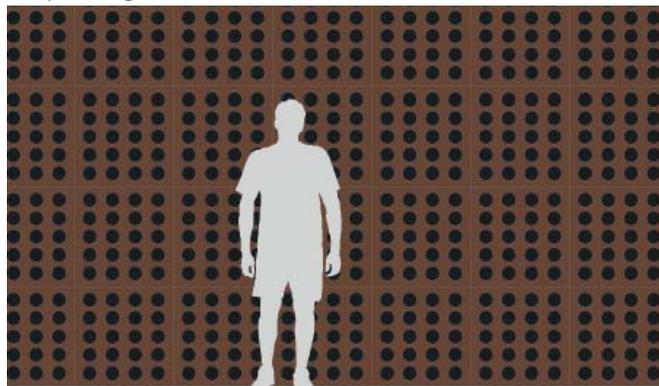
MATERIAL DESIGN



We support projects in many occasions with personality or peculiarities where it is difficult to use specific materials. For this cases we can develop a custom material that fulfill both acoustic and aesthetic needs.

To design a product, it can appeal to many manufacturing processes and types of materials with advanced technology or more traditional, used for the sake of sustainable development or productivity, economic or luxurious... Because of lack of information, clients sometimes abandon an idea, thus depriving themselves of an invaluable source of inspiration.

There are now about 300.000 different known materials and as materials scientists create and combine materials in new ways, the number can be infinite. That's why we can use a wide range of them to provide satisfaction on each project for each client and make a unique design in the world.



ACOUSTIC STUDY

The acoustic study consists in adjusting the values of the acoustic parameters to the specific use of the room. In order to achieve the right values of the acoustic parameters, we define geometric features of the space, finishes and closures.

- Internal geometry of the room and the stage.
- Acoustic shell.
- Interior covering materials.
- 3D modeling of the space.
- Parameters estimation by simulation.
- Definition of wall sections and entrances.
- Construction details of the solutions proposed.
- Analysis and evaluation of the background noise.

