

# FROM IDEA → IMPLEMENTATION (PROCESS)

How does the installation of an ACS system develop.

What do you need to know, what steps to go through to install this solution?

## Step 1 - Introduction & Discovery

we listen

The customer has an acoustical challenge and contacts ACS, often after recommendation and consultation an investigation is conducted by ACS to determine whether the required solution can be offered. The client becomes more familiar with the system through, conversation, information brochures and a possible demonstration at a location equipped with ACS. Most clients who attend a demonstration become enthusiastic and in many cases would like to see an ACS-system installed at their own location. Early budget targets are discussed, based upon similar past projects.



## Step 2 - Advice & Quote

we design

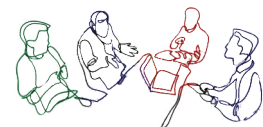
To make an appropriate design, ACS engineers need drawings of the room (preferably CAD), both plans and sections. ACS will propose the types and locations of loudspeakers and microphones. If possible ACS conducts a site visit to verify the design and to check if there are any other acoustical issues that need to be taken into account. If the design meets the expectations you will receive a detailed quotation.



## Step 3 - Related Advisors

we cooperate

In most cases the customer will work with an architect and acoustic consultant. It is essential that everybody works closely together with the ACS-engineers. The goal is to achieve the best possible fit of natural and electro-acoustics. This will enable a good optimization of the overall acoustics for the various applications. It is also important to determine how loudspeakers and microphones can be installed, while preserving the aesthetics of the room.



## Step 4 - Installation

we optimize

An ACS system includes microphones, loudspeakers, a rack with processing and amplifiers, remote control(s) and a cable system. The physical installation is often done by the AV integrator on the project, although sometimes it is carried out by the customer's technical staff or by a party recommended by ACS. ACS will prescribe the cable types and where required, support the installation process. After the installation in the hall is finished and the rack is placed in the designated room, it will be connected and ACS will test the system as a whole.



## Step 5 - Commissioning

we involve our customer

The system will be tuned and the agreed acoustics presets will be programmed. Then a fine-tuning will take place. In most cases musicians (users) will play or sing, using the programmed presets. The acoustics will be judged by the interested parties and when desired changes can be made. After this the system is ready for use. Typically after 3 months we will return, to check if everything is functioning appropriately and to make some final adjustments if that would be desired after the users have gained some experience under performance conditions.

