



TECHNICAL REQUIREMENTS FOR SENSORA INSTALLATION (EUROPE):

Room specifications:

- Minimum dimensions:
 - For a 1-chair installation: 3m x 4m
 - For a 2-chairs installation: 4m x 4m
 - For 3 or more chairs installation: 5m x 4m and moreCeiling height should be at least 2.75m for optimal results.
- Room should have adequate sound-proofing (no need for professional level), and light-proof (no window, no light through door cracks,...). It should have adequate ventilation.
- Prior to Sensora installation, the room should be fitted with a comfortable black carpet, and the walls + ceiling should be painted in matte black. This will ensure that there are no light reflections to interfere with the screen projections.

Electrical Requirements:

- All Sensora equipment is compatible with 220VAC 50Hz, except the LPA-1 Light Projector.
- Because of its special light bulbs, the LPA-1 can only work at 120VAC. It therefore requires a 220V/120V transformer (rated at 2,000 Watts) for operation in Europe. This can easily be obtained in Canada for about €200, or locally.
- The Sensora system requires 2 standard 220VAC/50Hz electrical outlets, each capable of providing 1,500 Watts.

Projection Screen Installation:

The Sensora projection screen is similar to a satellite-antenna dish with 3.3m in diameter. It is shipped as 8 identical sections (like 8 pie pieces...), made in fiberglass. Because it is so large, it has to be assembled inside the Sensora room. This assembly consists of the following steps:

- The 8 sections are bolted together.
- The screen is suspended at 45° inclination, held by 3 or more chains securely fixed to the ceiling (total weight: 75 to 150Kg).
- The 8 joints on the front of the screens are filled with silicone and polished (preferably by a professional wall-joint maker) so that the projection surface is perfectly smooth.
- The rear side of the screen is painted in black.
- Finally the front side of the screen is spray-painted with a special silver coating provided by Sensortech. This operation requires a professional painter, equipped with a low-pressure spray-paint gun capable of handling granular paint ("spatter gun" with 1.3 to 1.7mm nozzle, e.g. *Binsk Mach 1 HVLP*). Usually 4 to 5 coats are sprayed; the whole operation takes 3-4 hours.

Sensora Maintenance:

- Weekly System Inspection:
In order to ensure optimal operation, it is very important that the Sensora installation be inspected once per week. Normally, this will be done by a member of the client's team handling technical work. Included in the Sensora installation is a training given to this employee by the Sensortech specialists. The weekly inspection is easily performed in about 15 minutes by running a special "System Test" Sensora program, which exercises all Sensora components one by one.
- Light Bulb replacement:
During normal operation, the Sensora will require replacement of the LPA-1 Light Projector light bulbs as they burn out. This happens at a random rate, usually of about 2 to 4 bulbs per month (depending on the system usage). At a cost of about €20 per bulb, this corresponds to an operation expense of €40 - 80 per month. Replacement light bulbs must be exactly MR16 type ETJ; they can be obtained locally, or from Sensortech.