SENSORTECH

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TECHNICAL REQUIREMENTS FOR SENSORA INSTALLATION (ASIA):

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 more
  Ceiling 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 either 120VAC 60Hz or 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 countries using 220VAC. This can be obtained locally, or from Sensortech for $300.
- The Sensora system requires 2 standard 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 fiberglass sections (like 8 pie pieces). 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 seams 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.
- A primer-sealer undercoat is applied to the screen surface. The rear side of the screen is painted in black.
- Finally the screen surface 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 4-5 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 of typically 2 to 4 bulbs per month (depending on system usage). At a cost of about $30 per bulb, this corresponds to an operation expense of about $60-$120 per month. Replacement light bulbs must be of the exact type MR16 ETJ; they can be obtained locally, or from Sensortech.