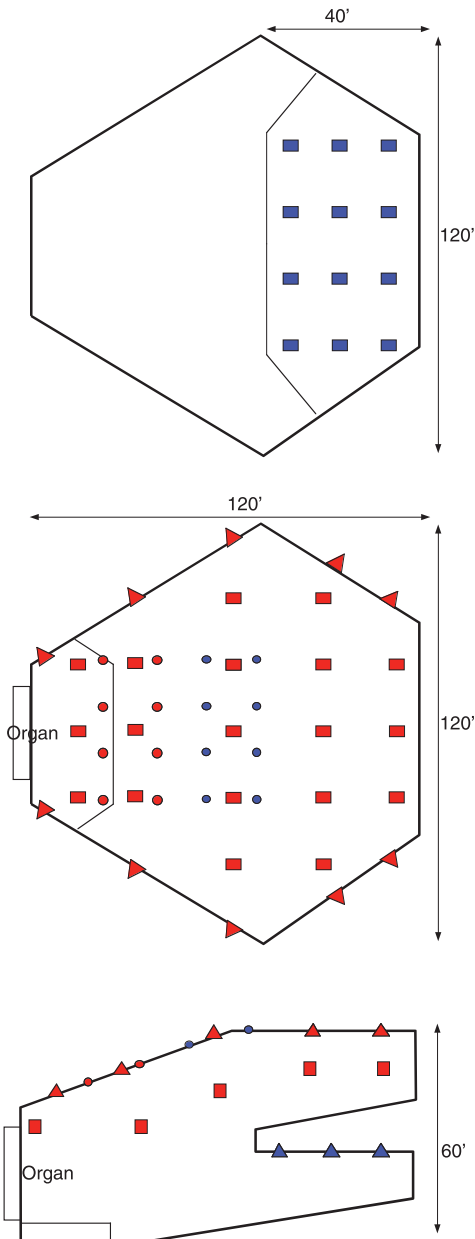


# Church with 2,000 seats

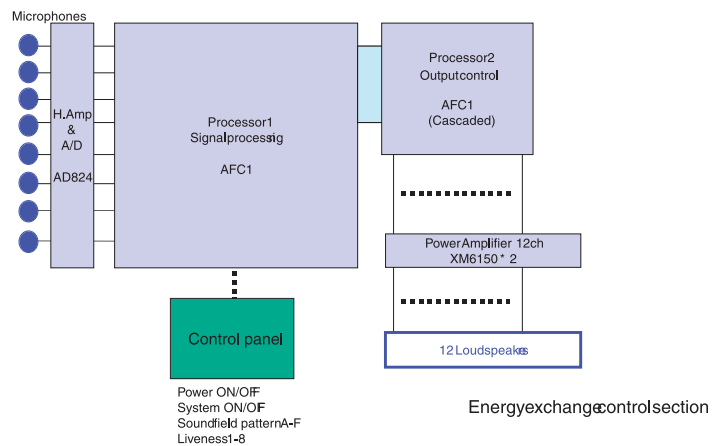
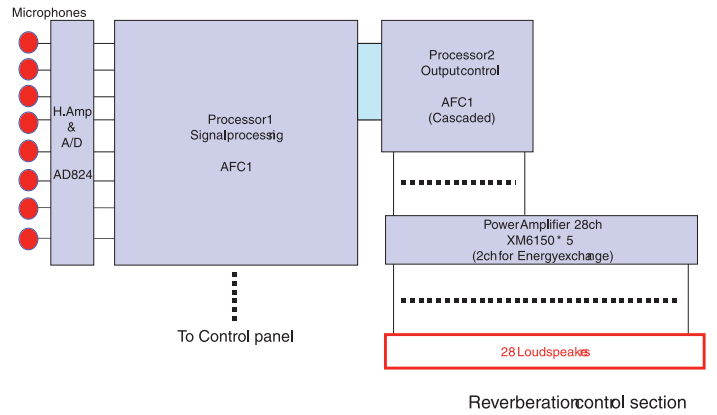
## Purpose of installing AFC

1. Extending reverberation time for Reverberance
2. Increasing sound pressure level for Loudness
3. Improvement of the sound field in Under balcony area

## System Configuration



## System Diagram



## Church with 2,000 seats

## System components

No.	Description	Specification	Model	QTY
1	Microphone	e.g. Miniature Boundary-Layer Capsule Frequency range: 20 Hz - 20 kHz Sensitivity: 19 mV/Pa Equivalent noise level: A-weighted: 12 dB-A ,CCIR: 23 dB Signal-to-noise ratio (A-weighted): 82 dB-A Maximum SPL(0.5% THD): 128 dB	-	16
2	Head amp & AD	24-bit linear, 128-times oversampling Frequency response -3, +1dB, 20Hz-20 kHz, GAIN -62 dB Dynamic Range 110 dB Hum & Noise Level -92 dB	AD824	2
3	Sound field processing		AFC1	2
4	Output control section		AFC1	2
5	Digital I/O card		MY8-AE	4
6	Analog output card		MY8-DA96	5
7	Power amplifier	Output level 100 W*6ch THD+N <0.2% S/N Ratio 100 dB Channel separation >60 dB	XM6150	7
8	Loudspeaker	e.g. Frequency Response 60Hz-16kHz Power Rating program/peak 300/600 Imp 8Ω SPL(1W,1m) 97dB	-	40
9	Control panel	Power ON/OFF System ON/OFF Sound field pattern 6 Liveness 1-8	Custom	1