

A wide-angle photograph of the interior of the AuroTorium 3D Dubbing Stage. The room is filled with rows of red upholstered seats facing a large screen on the right. The walls are covered in a grid of square panels, many of which are illuminated with blue light. The ceiling is dark with several square light fixtures. The floor is covered in a dark carpet with a repeating pattern of small, light-colored stars.

*"By far the best mixing and post experience for me ever.
The AuroTorium mixing stage and its features are simply unbeatable.
The concept of having everything and everyone under one roof is brilliant.
I'll go back there as soon as I have the next film ready and
would even fly in from the states to do it in Mol."*

- Director Oliver Hirschbiegel

THE AUROTORIUM 3D DUBBING STAGE

REFERENCE FACILITY FOR FUTURE CINEMA SOUND & PICTURE

Being the birthplace of the Auro-3D® immersive surround sound, Galaxy Studios Group is proud to present a new milestone with its first purposely build 3D dubbing stage, showcasing its proprietary technology in a working environment armed and ready for the future trends in cinema audio and picture.

Logically dubbed the "AuroTorium" this new, triple purpose 3D dubbing stage, reference screening room and next generation cinema theater spares no expense to provide the newest and most innovating equipment for a maximum immersive cinematic experience.

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TO BOLDLY GO WHERE NO STAGE HAS GONE BEFORE

The AuroTorium includes a 59-loudspeaker Meyer Sound cinema audio monitoring system configurable for any format from standard 5.1 up to Auro 22.1 and object based formats. Its consummate audio monitoring system is anchored by six Meyer Sound Acheron 80 screen loudspeakers (Lower and Height at left, center and right). A total of 44 HMS-10 surround loudspeakers are deployed. A total of nine X-800C cinema subwoofers: six for main LFE plus three additional subwoofers in the rear for bass management.

The system may be instantly re-configured for mixing in the standard 5.1, 7.1, as well as all Auro-3D® formats (from Auro 11.1 to Auro 22.1) full object based and hybrid formats are possible. – all with the click of a mouse. The theater's production platform offers a choice of two mixing consoles: an AMS-Neve DFC Gemini (Auro-3D® version) or an Avid Icon D-control, both with 48 faders or an integration of both workflows. Depending on the choice, both consoles can be switched to reference position. A full Pro Tools recording system is complemented by TC Electronics System 6000, Lexicon 960L and cedar DNS One outboard gear. For state-of-the-art visuals, the AuroTorium offers dual Barco DP4k-32B projectors, media composer 4k-3D, a Doremi DCP server, and a Harkness Matt Preview Screen of 13m x 17m in order to deliver the best visual experience up to 4k in 3D and the High Frame Rates to 60 FR/s per eye. The impeccable room acoustics are credited to concept-A Design.

The groundbreaking AuroTorium offers several innovations not found in other post-production rooms. For example, each screen and surround loudspeaker is backlit by a LED "halo" light, allowing a quick visual confirmation of the currently employed audio format. The multi-color LEDs are programmable, allowing each format to have its own color. In object based mixing modes, each individual loudspeaker can be assigned its own color.

In addition, the triple-use AuroTorium can be fully converted from a dubbing stage to a large high-end screening room or a next generation cinema theater in a minimum of time. The entire production platform is on hydraulic lifts, and can be lowered into storage and replaced by a dozen more VIP luxury seats to provide the full 150 seat viewing capacity.

Auro-3D is an adaptive, three-dimensional audio technology that is applicable in several other markets, including gaming, automotive, broadcast, mobile and home theater. For the cinema exhibition market, Auro Technologies has partnered with Barco in order to deliver the ultimate immersive audio-visual experience of today: Barco Projectors combined with Auro-3D® technology.

AURO 3D[®]
AUDIO

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ROOM / SCREEN SIZE

Acoustics by Concept-A Design
Room = L 21m x W 16m x H 10m
Screen = W 13m x H 7m
Seating = 160 cinema vip style seats

CONSOLES

AMS-Neve DFC Gemini, 2 operators, 48 Faders
Including Auro-3D® upgrade
4 x Quad MADI Cards
2 x XSP Cards (1000 channels)
Avid Icon D-control with 2 master sections, 48 Faders

MONITORING & FORMATS

Auro-3D® Approved Theatrical Reference Dubbing Stage
5.1 and 7.1, Auro 11.1 up till Auro 22.1 and Object Based.
Screen : 6x Meyer Sound Acheron 80 (Lower + Height)
Room : 44x HMS-10 (3 Vertical Layers)
9x X-800C (6 x screen, 3 x for Full Range Surrounds)
64 channel Mediamatrix Nion Router System
64ch Forssell DA conversion
Datasat AP24

OUTBOARD

TC electronics System 6000
2x Lexicon 960L
Cedar DNS ONE
RTW TM9
Dolby DMU

ADDITIONAL

Doremi DCP server
Oppo Blu-Ray player with Arvus HDMI-2A

REFERENCE PROJECTION

2x Barco Projector DP4K-32B
Harkness Matt PreView Reference Screen
Media Composer 4k-3D playback system X-pand glasses

PROTOOLS

4x 12-core and 1x Quad core 3,2 GHz Apple Mac Pro
ProTools 11 with SSD drives
7x HDX MADI
4x Avid Sync HD

PLUG-INS

4x Auro-3D® Creative Tool Suite
Auro-3D® Panner Suite, Auro-Matic, Auro-Encoder
2x Waves Mercury Bundle
Waves Surround Tools
3x Sonnox Broadcast
3x Lexicon PCM
Soundminer Pro
Nugen VisLM-H
Zynaptiq
3x Speakerphone
3x Altiverb
3x DMG Equality
4x Izotope RX 2 Advanced
3x Fabfilter Pro

PRODUCER LODGES

3 suites 15 m2 with visual connection to AuroTorium

TRIPLE-USE

Reference Dubbing Stage (5.1, 7.1, Auro 11.1 up to Auro 22.1 and 50 channels in object based)

Reference Screening Room (Dual 32B 4K/3D Barco Projector / HFR 60 FR/s, Unity gain Harkness screen, 3D Expand, Right angled projection)

Reference Next Generation Cinema Theater (150 VIP seats with state-of-the-art Audio-visual experience in 3D Audio & 3D picture in HFR)