DOMEPORT

SOCIETY FOR ARTS
AND TECHNOLOGY

DOMEPORT

DOMEPORT is a preview and simulation application for dome-like spherical immersive environments. It allows artists, producers and broadcasters using various dome and planetarium configurations or the Satosphere to dynamically visualise their DomeMaster format immersive content, whether rendered or generated in real time. The application supports various image and video files, real time video streaming via a Syphon gateway as well as surround sound.

DOMEPORT allows control over the observer's position (FPS), the field of vision (FOV), and the viewing rate (RATE) while offering a selection of convenient features such as the choice of simulated broadcast venue and spatial and time tracking guides.

DOMEPORT is an easily accessible tool that puts the user at the very heart of the spherical space with perfect content scaling.

DOMEPORT was developed in Montreal by the Society for Arts and Technology [Immersion] department team as part of their research and development program.

CONFIGURATIONS:

1- Dome 180° - 0° tilt angle - Concentric seating configuration.

2- Dome 180° - 15° tilt angle - Frontal seating configuration.

3- Dome 180° - 25° tilt angle - Frontal seating configuration.

4- Satosphere 180° - 0° tilt angle – Variable seating configuration.

5- Satosphere 180° - 15° tilt angle - Variable seating configuration.

6- Satosphere 210° - 0° tilt angle - Variable seating configuration.

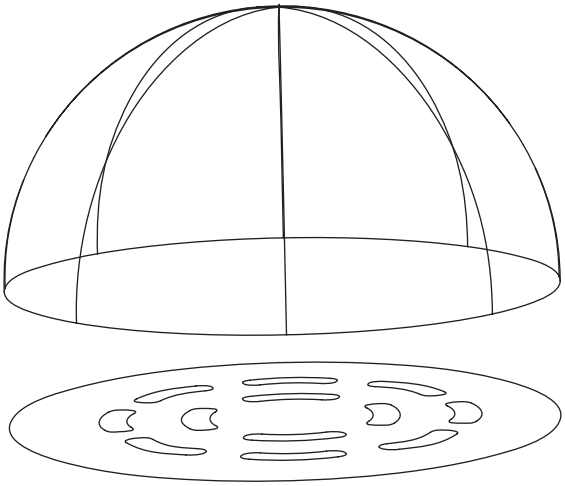
7- Satosphere 180° - 25° tilt angle - Variable seating configuration.

8- Satosphere 230° - 0° tilt angle - Variable seating configuration.

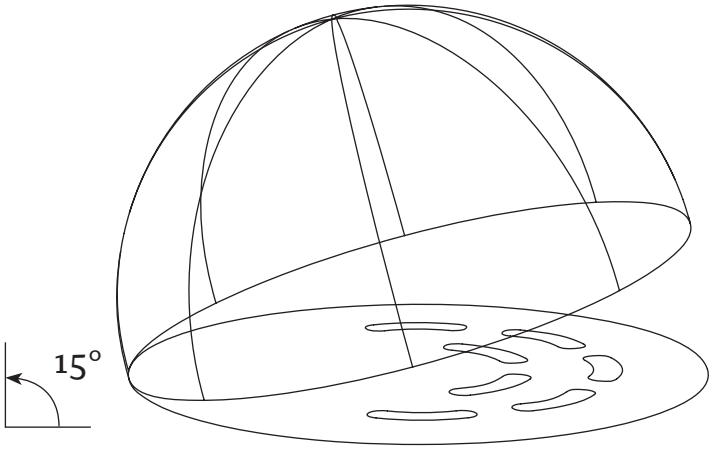
The Satosphere is a variable configuration space allowing three different internal layouts: tubular sofas in a circular or frontal arrangement or a clear space for bespoke installations and performances where the audience is standing.

For further details see www.sat.qc.ca/satosphere

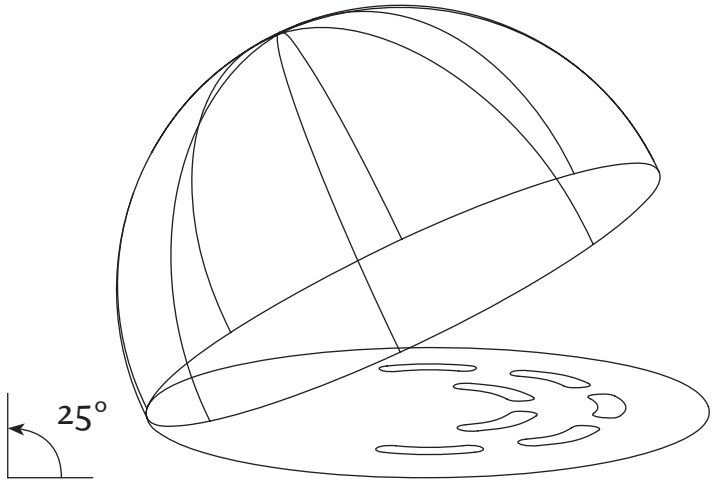
1 Dome 180° - 0° tilt angle - Concentric seating configuration.



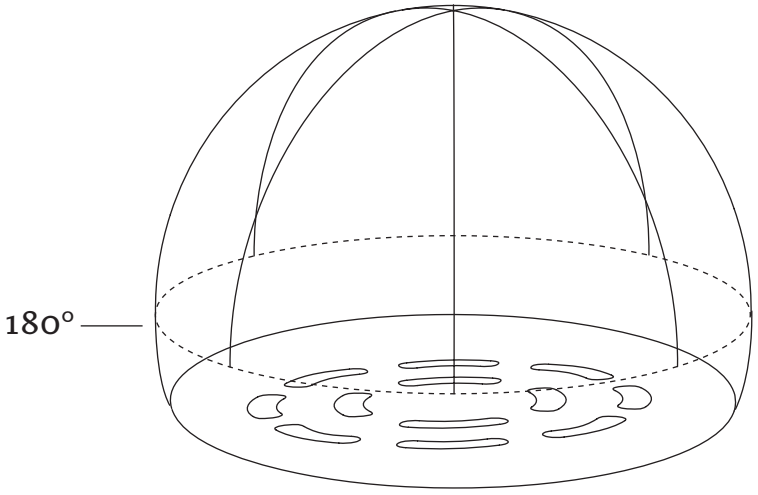
2 Dome 180° - 15° tilt angle - Frontal seating configuration.



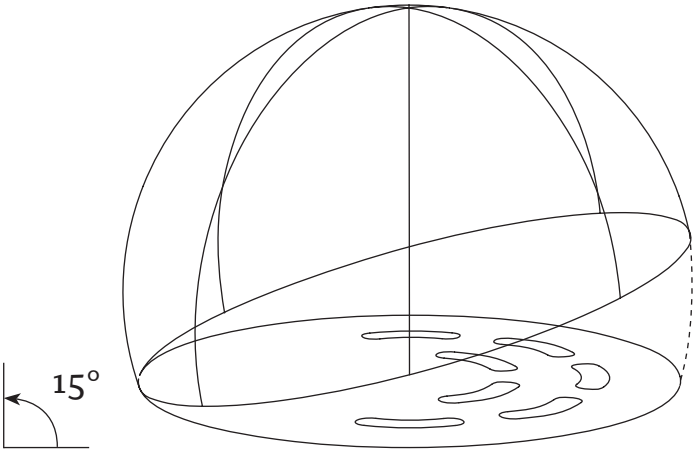
3 Dome 180° - 25° tilt angle - Frontal seating configuration.



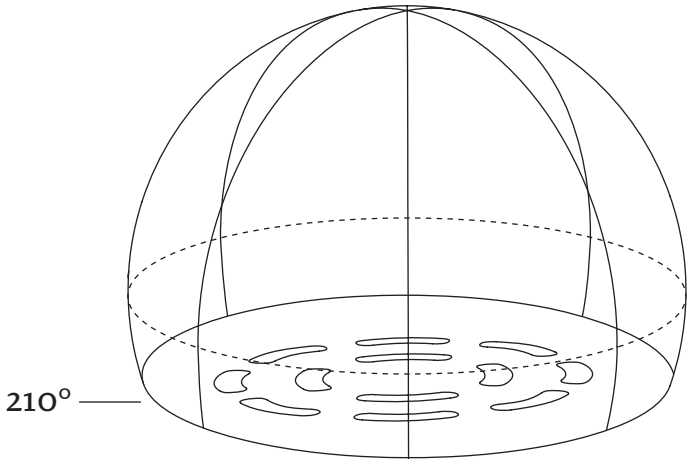
4 Satosphere 180° - 0° tilt angle – Variable seating configuration.



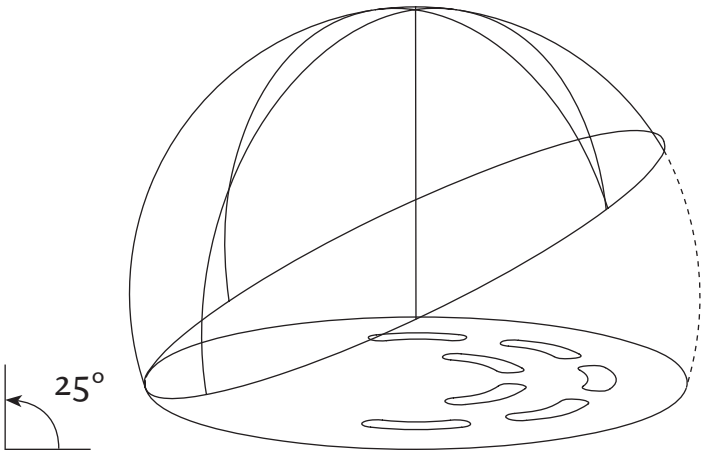
5 Satosphere 180° - 15° tilt angle - Variable seating configuration.



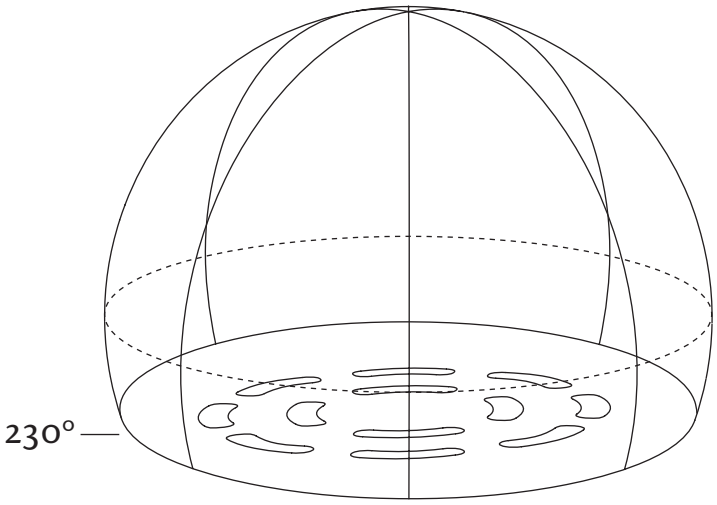
6 Satosphere 210° - 0° tilt angle - Variable seating configuration.



7 Satosphere 180° - 25° tilt angle - Variable seating configuration.



8 Satosphere 230° - 0° tilt angle - Variable seating configuration.



SYPHON INTERFACE

It is possible to read any feed who are generated by an application how support Syphon. If no feed are available, an message will show on the screen.

It is recommand to start the syphon feed before your start the domeport application.

No Feed Message:	Tell you that no Syphon feed are available
Application Name:	Name of the application who generate the syphon feed
Feed Name:	Name of the syphon feed
Read feed:	Read the syphon feed indicated in the application name and feed name field

VIDEO INTERFACE

Video mode	
Syphon mode	
EN:	English interface
FR:	French interface
Load file:	Open the file selection window
Volume:	Adjust the volume level of the video
Time:	Reading head of the video
Play:	Play the video
Pause:	Pause the video
Frame <:	Go to the previous frame of the video
Frame >:	Go to the nest scene of the video
Rate -:	Slowdown the video playing
Rate +:	Speed up the video playing
Show guide:	Show the angles and positions guide on the projection screen
Camera FOV:	Adjust the field of view of the camera.
People Show/Hide:	Show human models
Tube Front / Circle:	Different seat configuration
Projector:	Afficher la position des projecteurs sur l'écran
Dome menu:	Back to the environnement selection menu
Quit application:	Quit application
About:	Instructions

SUPPORTED FORMATS:

Images: .JPG & .PNG
Video: .MOV .MP4 .H.264 .DV .DXV
Video Stream: Syphon
Sound: .MP3 .AAC .WAV .AU .AIFF

CREDITS

Productor/conceptor: SOCIETY FOR ARTS AND TECHNOLOGY
www.sat.qc.ca

Concept: Mathieu Morasse

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DEMONSTRATIVE INTRO

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