



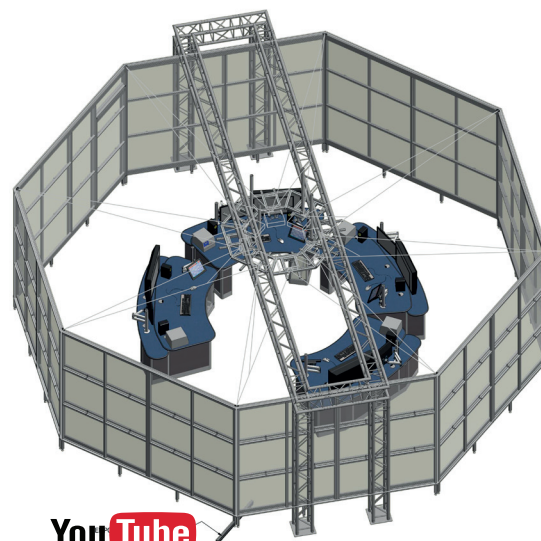
**A**t the World ATM Congress Meeting this year, Thinking Space Systems will be bringing the latest in ATC furniture solutions to their stand 1235, including an example of a simulator created using the Evolution Media Wall. No strangers to the world of ATC simulators and training environments, Thinking Space have a wealth of experience creating solutions for clients worldwide. This newsletter features just some examples of simulator projects where Thinking Space have custom designed a solution using their range of products, technical expertise and award-winning design service.

## 360 Degree Tower and Radar Simulator

**Requirement:** Clients' GECI Espanola, the worldwide High Technology, Engineering, E&M Support and Consulting Group tasked Thinking Space with creating a 3D tower and radar simulator. The training facility was required by the Bolivian Civil Aviation Authority (DGAC), to train air traffic controllers on a national and regional level.

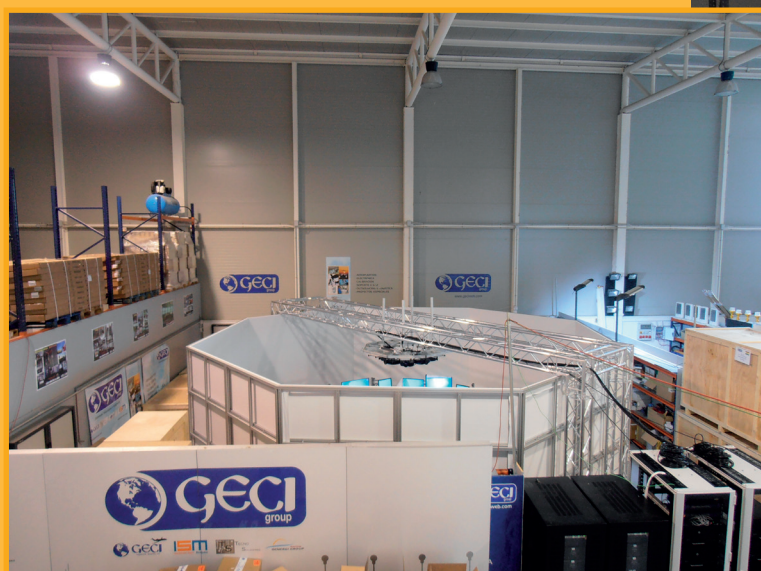
**Solution:** Thinking Space created a hexagonal framework using their range of Kanya aluminium extrusions and connector system, to provide a quick and easy to assemble structure, as well as an overhead rigging system to fit the projector equipment within its' centre. Heavy duty screen material was then mounted onto the framework with a choice of two different fixing methods, to create a seamless projection wall. The first method identified uses velcro fitted on the extrusions, with the screen material stretched over the extrusions and pulled tight. The second uses a plastic retainer extrusion which wedges the screen material into the extrusion. Both methods are demonstrated in a video on the Thinking Space YouTube Channel. The result is a smooth, crease-free surface, allowing the Air Traffic Training Centre to project their images onto.

In addition to the rig itself, Thinking Space designed and manufactured approach and simulator consoles to fit inside the simulator to enhance the overall training experience.



**YouTube**

Watch how we constructed the 360 degree simulator on our YouTube channel [thinkingspacesystems](https://www.youtube.com/channel/UCsXp3v3v3v3v3v3v3v3v3v3)





## Flexible Tower Simulator

**Requirement:** To provide a tower simulator for a Middle Eastern ATC client, but where space is limited and the ability to be flexible to meet changes in training needs and futureproofing is a priority.

**Solution:** Thinking Space created a simulator using their Evolution Media Wall solution. The custom designed media wall was created with six hinged sections, giving a rotation extension system to hold six 42" flat screen monitors. The advantage of this design is that each section can be easily moved to suit the number of training positions required and the angle of each screen can be adjusted individually. In addition, further screens can be added or upgraded at a later date, to ensure a futureproof training solution. At the rear of each screen, special pc supports are provided so that the pc and screen are mounted together. All cable management within the media wall is taken care of, so that there are no unsightly cables, with power supplies provided discreetly in each leg. The final media wall has been powdercoated black to match the surroundings of a simulator environment.



Thinking Space can provide a range of accessories for your simulator media wall application; from clocks to speakers as well as bespoke equipment mounting

## Radar Training Consoles

**Requirement:** Clients' GAL LLC required a radar training facility for two trainers and two operators located on a single console. Four of the consoles were required at the company's training facility in Abu Dhabi.

**Solution:** Thinking Space designed a bespoke console to take up to four users, with an acoustic screen and removable sections between the two operators and two trainers. Novus monitor mounting solutions were provided on the desks to display the array of screens; 32", 20" and 17". Other console features included a freestanding VCCS, headset PIP housings, recessed footswitches and removable rear panels, all set up to create a typical ATC operator environment.



These consoles can be adapted for any training purpose, including pilot/controller scenarios. The beauty of a Thinking Space console is that it can be easily re-assembled on site with the minimum number of tools required, meaning that your training facility can move or expand as the need arises



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These are just three scenarios from a multitude of possibilities that Thinking Space can offer for your ATC training requirements. Their award-winning free design and consultation service will take your requirements to the next level, using their AutoCad Inventor software to create engineered solutions from the range of products in their company portfolio.

Visit the **Thinking Space stand 1235** at the World ATM Congress in Madrid from 8th – 10th March and see an example of the flexible media wall simulator on demonstration as well as the latest in ATC furniture solutions...

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