

air traffic



improving working environments

www.thinking-space.com

Introduction

Thinking Space is an experienced supplier of Air Traffic Tower, Radar, Simulator and Training room technical furniture solutions. Installations have been delivered worldwide for both commercial and military applications. Projects are completed directly to clients or through ATC integrator partners.

The in-house developed Core Assembly System, offers an innovative aluminium build system solely for technical furniture. Within ATC this allows us to create unique technical enclosures and mounting solutions for the hardware specific to the ATC industry.

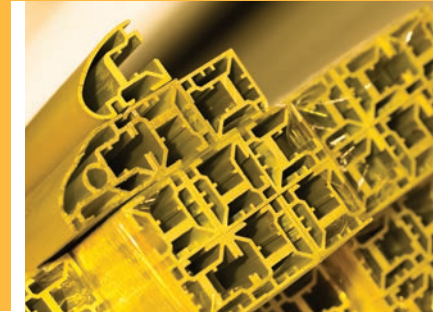
Thinking Space has a specialist team dedicated to the ATC market. This covers sales, design and project management staff focused entirely on ATC solutions. For all projects a Thinking Space project manager is assigned to oversee the completion of the designs (CDR), manufacturing (FAT), delivery and installation stages.



Core Assembly System

The Core Assembly System provides a lightweight framework for furniture design. With limitless configuration options, as well as improved strength, stability and aesthetics.

Unlike other materials the range of Aluminium extrusions will not fade with use. Extensions to existing designs can be completed without the worry of trying to match old surfaces.



What we offer...

As an engineering company, Thinking Space has the in-house skills to create designs to suit the most challenging requirements and the materials to offer infinite solutions.

All furniture is suitable to sustain busy 24/7 environments and comes with a 10 year guarantee. Clients can be re-assured that all designs conform with British Standards for control room builds.



Engineered design

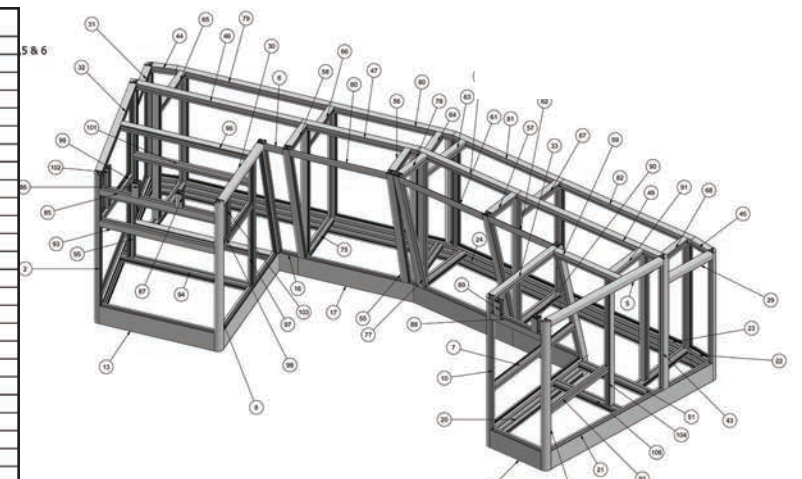
Thinking Space use Inventor CAD software to create all bespoke furniture designs. The modelling package is the backbone of the design process. It offers high quality sales proposal drawings, comprehensive site details for the project managers and highly detailed technical models as part of manufacturing packs.

The software has also assisted in the standardisation of many manufacturing procedures, it has helped reduce the lead time on projects and improved the accuracy of information that is transferred from sales, to design and through to the workshop.

Thinking Space are very process driven. The Inventor CAD software ensures clarity throughout a projects' development over multiple product design changes and then accuracy when issued for the manufacturing stage.

The use of the software gives Thinking Space a clear engineering advantage over more traditional furniture manufacturers.

PARTS LIST			
ITEM	LENGTH	DESCRIPTION	cutdetail
2	710.0 mm	28x28 Quadrant extrusion	
3	873.8 mm	28x84 Kickplate extrusion	80.5
4	87.6 mm	28x28 Single faced extrusion	Miter 82.72 deg
5	608.7 mm	28x28 Corner	80.5
6	80.2 mm	28x35 Long female extrusion	Cut
7	527.4 mm	28x20 Internal extrusion	75.4
8	710.0 mm	28x28 Quadrant extrusion	
9	710.0 mm	28x28 Quadrant extrusion	
10	710.0 mm	28x28 Quadrant extrusion	
11	610.0 mm	28x28 Quadrant extrusion	
12	610.0 mm	28x28 Quadrant extrusion	
13	486.0 mm	28x84 Kickplate extrusion	Cut
14	250.0 mm	28x84 Kickplate extrusion	Cut
15	572.0 mm	28x84 Kickplate extrusion	Cut
16	80.2 mm	28x84 Kickplate extrusion	
17	491.5 mm	28x84 Kickplate extrusion	Miter 82.50 deg
18	491.5 mm	28x84 Kickplate extrusion	Miter 82.50 deg
19	316.2 mm	28x84 Kickplate extrusion	
20	572.0 mm	28x84 Kickplate extrusion	
21	873.8 mm	28x84 Kickplate extrusion	80.5
22	100.4 mm	28x84 Kickplate extrusion	Miter 85.25 deg
23	644.0 mm	28x84 Kickplate extrusion	Miter 85.25 deg
24	531.8 mm	28x84 Kickplate extrusion	Miter 82.50 deg



Why Thinking Space?

The key differences between Thinking Space's technical furniture and others on the market today are the materials used and the engineering methodology behind them. With bespoke builds it is essential that the materials allow as much design flexibility as possible so as not to limit the solutions available. Using the Inventor CAD software and following ISO9001 processes, Thinking Space can be trusted to deliver accurate, long lasting and stylish technical furniture to the workplace.

As the Company has grown it has developed specialist products and people for specific industries. These small teams of staff are focused on the challenges and requirements within their field and work together in selling, designing, manufacturing and delivering the best solution required. This develops a high level of service in both sales and design that benefits the customer and eases the processes and delivery of what is required within the Company.

It is the drive of the Thinking Space management team to invest in new markets and research and development to keep the products innovative and up with the latest technologies and engineering practices.

Standards

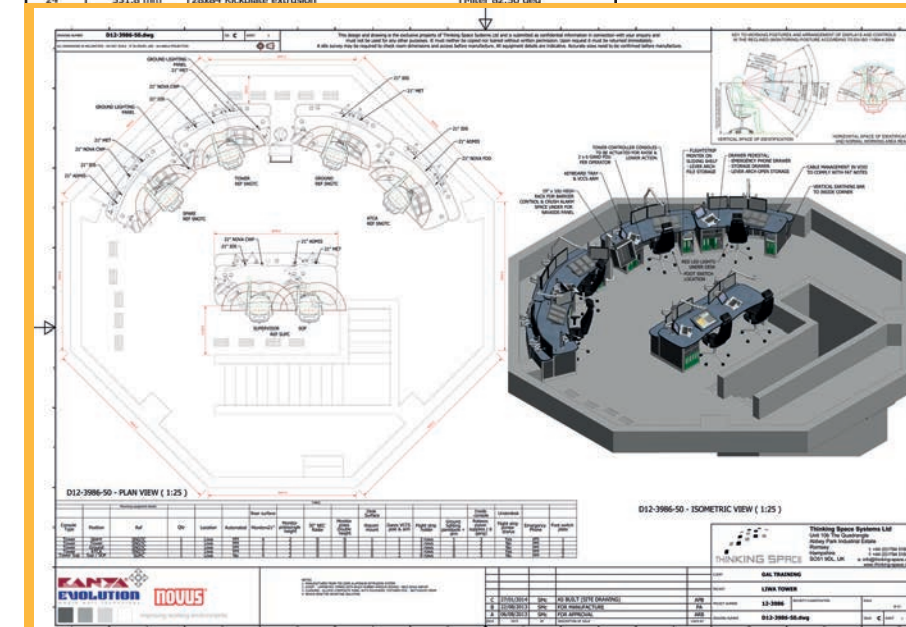
As an experienced provider of control room furniture, Thinking Space always consider the ergonomic demands of working within 24/7 environments. All design proposals recognise the human factor requirements of control room operators as well as conforming to British Standards for control room design.



Case studies

See our ATC case studies at:
www.thinking-space.com/resources

YouTube [thinkingspacesystems](https://www.youtube.com/thinkingspacesystems)



Tower solutions



Each ATC tower console provides the very best in ergonomics for air traffic controllers, whilst maintaining line of sight and equipment solutions in the optimum location. Every console is a bespoke design, as no two ATC towers are the same. Thinking Space offer an exceptional level of detail and customer service, ensuring your tower consoles are expertly designed, manufactured and installed.



Console design



Infinitely adjustable cable management



- Height adjustable
- Dropped back desk design

VCCS solutions



- VCCS adjustable desktop stand
- VCCS fixed angle upstand
- VCCS mounted on VESA arm

Flight strip solutions



- Desktop or recessed
- positioning over EFS display



- EFS display desktop mount
- EFS display in recessed

Lighting solutions



- Little task lighting, freestanding or mounted
- LED maintenance lighting
- Underscript LED lighting, dimmable with colour options

Materials specification

A key difference between a Thinking Space console and others on the market today is the materials used in their design and manufacture.

Console framework/structure

Core Assembly System; an in-house designed lightweight aluminium build system; strong, adaptable, flexible, recyclable.

Cladding panels

An aluminium composite material covered with a laminated sheet finish, with a wide range of colours and textures and colours.

Worktops

MDF composite covered in a high pressure laminate and sanitised with an anti-bacterial treatment. Choose from a wide range of colours and finishes.



You Tube Watch our latest case study videos



improving working environments



Storage solutions



Flight strip printer with paper guides

Drawer solutions



- Emergency telephone
- Keyboard tray



Recessed footswitch housing

Branding



- Logos on curved end panels
- corporate colour schemes

Radar solutions

Thinking Space have spent the last few years working closely with ATC clients to offer the latest in radar control desk design. Replacing the old fully enclosed style consoles with new open framework ergonomically friendly solutions. The innovative designs not only maximise the workspace but offer flexibility and future proofing functionality in a hardware heavy environment.

New features and accessories have been developed to not only improve an operator's workspace but to also ease the operational demands and the maintenance of radar consoles.

Monitor mounting

Moni-Trak perfect positioning rail

Watch the video:
[youtube.com/thinkingspacesystems](https://www.youtube.com/thinkingspacesystems)



Novus equipment mounting



- Telephone mounts
- Monitor mounts
- Stop bar or AGL mounting



- VCCS with enclosure mounted onto
- TSS folding arm 3
- Novus MY arm

Equipment enclosures/holders



Meteorological enclosure



Equipment housing

24/7 chairs

PIP mounting solutions



- PIP housing in console framework underslung
- PIP housing in console framework with viewing glass door
- PIP housing recessed into desktop

YouTube Watch our latest case study videos



Training solutions

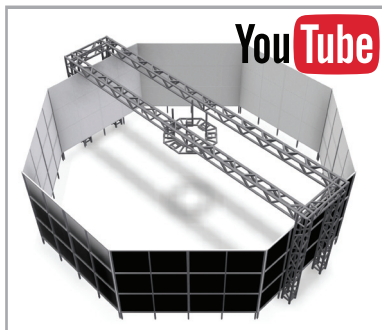
As a key part of the ATC world, training consoles are a necessary requirement for educating operators in new systems and technologies. As an extension to the typical tower and radar solutions, Thinking Space have introduced numerous professional training environments to clients worldwide. These include specialist one off designs to large volume training desk installations.

When the requirement is to offer training on existing and new technologies, the Thinking Space range of versatile desktop accessories allows full adjustment and manoeuvrability for these exercises. Example features include quick release lift off monitor mechanisms, Moni-Trak slide rail and monitor mounting solutions for screens of all sizes and weight.



Simulators

For re-creating real life control room environments or static simulator consoles, Thinking Space has the experience and materials to design and manufacture technical training solutions. The CORE extrusion system is key to offering infinite build possibilities, all modelled on the Inventor CAD software and presented in full rendered drawings.



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