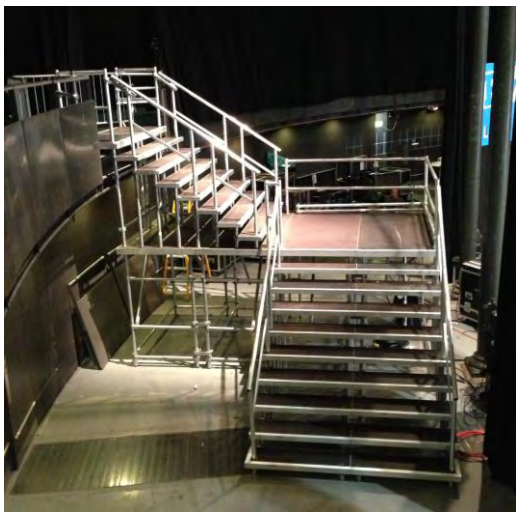

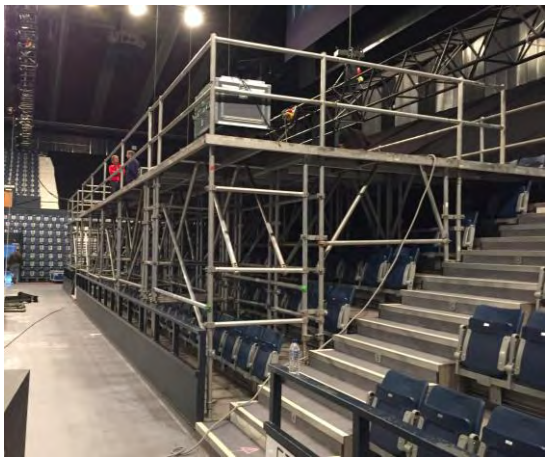

Stage Systems ● Front of Stage Barriers ● Alidome Roof Canopies

Stair Systems ● Bar Systems ● and much more…

Alistage Ltd – Earls Farm – Earls Lane – South Mimms – Hertfordshire EN6 3LT

Email - sales@alistage.co.uk Tel - 01707 653 245 Web - www.alistage.co.uk

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An extended version of this catalogue that includes additional technical information on our product range is available upon request

Background, Applications and Advantages

Designed in-house and manufactured in our own UK based factory, Alistage stage equipment has been in use for 25 years across a wide range of events, productions and applications covering all aspects of use from the worlds of Television, Festivals, Concerts, Film, Theatre and Exhibitions.

A range of over 75 different deck shapes and sizes are available which when combined with the comprehensive range of ancillary equipment and accessories, allows for a high degree of freedom in stage and set design

This permits stages with odd dimensions, unusual shapes and complex configurations normally without the need for specials and new-make sections which can be expensive and time consuming to manufacture.

The Alistage hire team has a vast experience in working with all types of events and productions.

Whilst the range of equipment that is available may appear daunting, clients only need to tell us what they are looking to achieve and the Alistage hire team will work out exactly what is required, supplying comprehensive quotations and detailed CAD configuration drawings to illustrate design proposals.

The Alistage rigging team have many years of experience working with the equipment across the full spectrum of applications and what may appear to be a complex structure to the client is to our rigging team another normal day on site.

Each job has a dedicated Rigging Supervisor appointed who is responsible for liaising with the client and venue, as well as supervising and coordinating the work crew.

Upon the completion of a build the Rigging Supervisor is also responsible for making a final inspection, accompanying the client during their own inspection, and documenting the handing over of the equipment ready for the clients use.

Applications

- Television Productions
- Exhibitions
- Film and Video Production
- Seminars
- Presentations
- Fashion Shows
- Product Launches
- Concerts
- Theatre Productions
- Parties
- Weddings
- Events
- School, College & University Productions

Advantages

- Over 75 different decks shapes and sizes available
- Perspex decked stages available
- Wide range of accessories and ancillary equipment available
- System allows great freedom in stage design
- High Deck Loading – Proof tested to 10kN/m^2
- Adjustable legs available
- Stage decks are only 94mm deep - compact for transportation & storage
- Grid decked stages available
- Suitable for outdoor and inside use
- Full range of services available from dry hire to full installation
- Range of Alidome roof canopies available

The System

Alistage is more than just a stage deck, it is a comprehensive and integrated system, with possibly the widest range of accessories of any stage system available. All components are designed to "fit" together rather than appearing to be "bolt on afterthoughts".

The list of converts to Alistage is growing daily, with equipment regularly being used in television and film work, major exhibitions, radio road-shows, theatres, schools and all types of festivals concerts (both inside and outside).

The range of equipment allows greater flexibility in set design without resorting to "specials" which can be both expensive and time consuming to make. The sheer range of equipment may appear daunting, but simply tell us what you want to do and we will work out exactly what is required.

Various levels of service are available from dry hires to delivery and full erection, with instructions and layout sheets dedicated to each job as required, together with Method Statements as recommended by the H.S.E.

Stage Decks

Decks are constructed with an aluminum sub-frame, which supports a sheet of 18mm plywood with a phenol coated anti slip surface. At only 94mm deep a saving in deck volume of over 45% is achieved compared with steel framed alternatives, an important consideration in both transportation and storage. Alistage decks are also significantly lighter than steel framed alternatives. A wide range of stage shapes and sizes are available for hire and sale.

Stage Legs & Frames

Standard legs are manufactured in increments of 200mm from 2" 16swg tube, with a ring fabricated in position to transfer deck loading and give positive location. Stage legs from 600mm to 1200mm are fitted with struts, which locate onto pins mounted on the stage deck, giving a high degree of lateral stability. For stages above 1200mm, end frames are constructed and used with cross bracing giving a quick, simple and rigid solution without the need to resort to the ad hoc use of scaffold tubes and steel couplers. Adjustable legs are available to cater for uneven ground.

Stage Couplers

Stage decks of the same height are joined together by means of Adjacent Unit Couplers (AUC's), which are quick and simple to use and can join decks together in either one or two directions. Decks at dissimilar heights can be joined together by using our Bar Couplers.

Stage Guardrails

The bottom of each guardrail post is swaged allowing it to pass through the holes in the plywood stage decking and locate into the top of the stage leg. Horizontal guardrail tubes have swaged ends, which simply plug into the guardrail posts providing horizontal rails at heights of 500mm and 1000mm. Where guardrails are not being used, a bung is fitted in the top of the stage leg to in-fill the hole in the stage deck.

Stage Steps

Stairs are constructed from individual treads rather than as pre-set flight, giving total flexibility in design. Standard tread heights are in increments of 200mm to match our standard stage deck heights. Treads are available for both straight and spiral stairs, which can be combined to produce elaborate configurations. Handrails are available which fit in the same manner as stage guardrails.

Valance

Inherently flame retardant black valance is available to dress the stage sides from floor to deck level which attaches to the sides of the stage stiles with Velcro

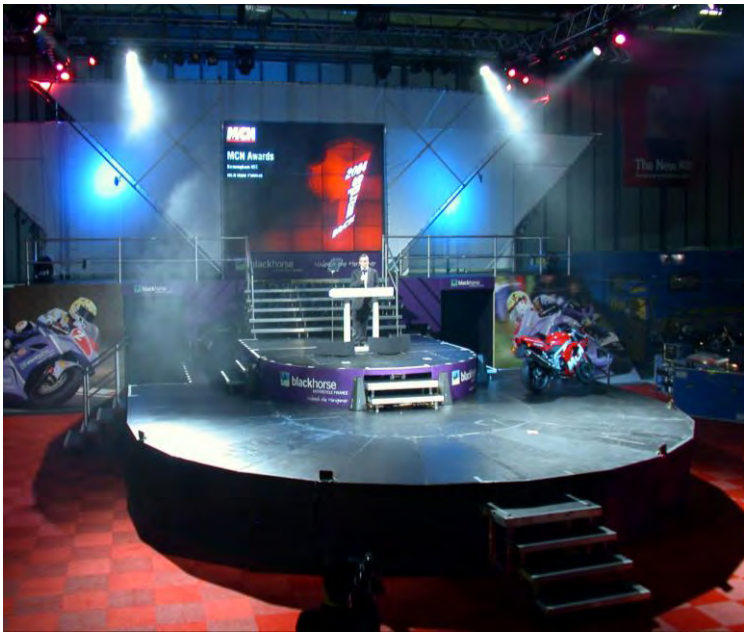
Stages & Catwalks

Allowing greater freedom in stage and set design without the need for expensive and time consuming made up pieces or specials

Alistage stage equipment has been used by the entertainment industry for over 20 years, with a wide range of equipment available to suit all types of applications and events.

Over 2500 stage decks in a range of 75 different shapes and sizes are available allowing unusual stage shapes odd sizes and complex designs all from stock equipment

Also available are stage decks fitted with punched and pierced steel planking and a range of stages fitted with Perspex tops both of which can be under-lit to achieve spectacular effects.



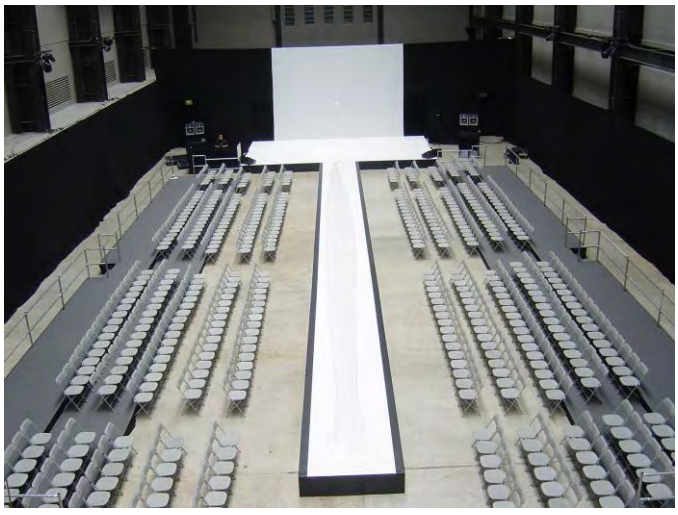
Whether you need to hire a catwalk runway, 600 decks to floor an exhibition hall, a tiered stage to fit an irregular space, Perspex topped circular stage or a single deck for a speaker's platform, Alistage can supply.

From dry hire to full erect and dismantle, equipment is supplied with layout drawings, assembly instructions, risk assessments and method statements as required.

A full design service and CAD facility is available, and we are happy to work from full design drawings, just a concept, or anything in-between.

Show us what you are trying to achieve and we will work out how it can be done and what will be needed.

Already widely used for all types of television, theatre, film and exhibition work, the number of converts to Alistage is growing daily.



Terraced Stages & Tiered Seating

In addition to creating conventional stage systems, Alistage stage equipment can also be used to form tiered or terraced stages for use as viewing platforms, press stands and choral risers and when fitted with chairs - tiered seating.

Whilst the system is not intended to construct large grandstands to accommodate thousands of people, the system is suited to the construction of small to medium sized tiered and terraced stages.

The modular design of the system and the large range of stage deck sizes and shapes allows us to offer systems and provide solutions at venues and events where an odd sizes, unusual shapes or complex designs are required.

In the standard tiered configuration the front legs of each stage level plug into the rear leg positions of the preceding level.

In this configuration the system has a rise of 200mm between levels with a going of 1026mm (using 1220mm wide stage decks).

The system will however also permit a number of alternative dimensions to be achieved for both the rise and going.

When used as tiered seating the equipment can be tailored to suit the event with the choice of seating types and styles. The client's or the venue's chairs can also be used where these are available.

Whether you need a simple tiered viewing platform or have a complex tiered seating design, please give us a call and let us find a solution for your tiered and terraced stage requirements.

Rolling Stages

Heavy duty 100mm diameter swivel castors with non-marking polyurethane wheels are available for use with all standard equipment to allow the construction of rolling stages and risers.

The castors feature a custom designed 47mm diameter spigot that allows quick and simple direct connection to all stage legs and is fitted with a simple O ring that retains the castor in position at the bottom of the leg tube.

Rated at a safe working load of 200kg each rolling stage deck can accept a load of up to 800kg.

In areas where high loads are concentrated it is possible to use smaller decks to increase the number of castors and thereby increase the payload potential.

Where height adjustment is required, 100mm castors with a 38mm diameter spigot are also available which fit our Generic Adjustable Legs.

These castors are retained in the adjustable legs by a spring loaded ball fitted to the spigot and are rated at the same 200kg safe working load per castor.

Both castor versions are available with and without brakes and on rolling stages of two or more decks we recommend that half of the castors used should be with brakes and half without brakes. This allows the castors to be configured to avoid any possibility of adjacent castors clashing and binding when rolling stages are being moved.

At adjacent leg positions along the outside edge of a rolling stage one braked and one non-braked castor should be used.

At central stage positions where the corners of four stage decks abut, two braked and two non-braked castors should be used with each type being positioned diagonally opposite each other.

An increasingly common castor application is for use with television stage sets that need to be positioned very quickly during live shows either during the transmission of short pre-recorded sections or commercial brakes.

Stage Ramps

Stage ramps are largely constructed from standard stage equipment with only a few additional components required.

With the range of stage deck sizes available a good degree of freedom in ramp design is permitted allowing configurations to be tailored to suit difficult applications and areas where space is limited.

The two main ramp applications are for the loading of equipment onto the stage level and for wheelchair access to both stage levels and viewing platforms.

Ramps can also be constructed to provide general access between different levels in place of stairs, and to allow the positioning of display vehicles onto stage systems.

Ramp widths are from 1.22m and inclines can be set and adjusted to suit the specific requirements of the client or the venue. Typically loading ramps are constructed with a maximum incline of 1:6, whilst wheelchair access ramps are constructed to a maximum incline of 1:12.

Intermediate and top landings can be included as required, either as part of a continuous straight run, or configured to provide 90 degree or 180 degree turns.

The use of adjustable legs used to set and adjust the ramp incline, also permit the construction of ramp systems over uneven or un-level ground.

Ramps use the same guardrail system used on our standard stage equipment which is set inboard of the ramp outside edge.

The design is normally sufficient to prevent the wheels of both wheelchairs and flight cases reaching the edge avoiding the use of a toeboard or kickboard.

A toeboard system can however be provided where required by regulations.

Stair Systems

Stairs are constructed from separate step treads which are available to form straight and spiral stairs.

This allows a level of freedom in design and configuration that is not possible with systems that use pre-made flights.

In addition to providing simple step access onto stage systems, straight and spiral treads are often combined into a range of elaborate staircase designs that are incorporated into stage sets.

Larger stair systems can also be constructed by terracing stage decks, and combining terraced stages with step treads, further adds to the possibilities in stair configuration.

In addition to providing access to our own stage systems Alistage stair and stage equipment is increasingly being used to provide stair access to other structures, as well as being used provide access between different floor levels at venues where the overall rise can be in excess of 3m.

The standard step rise is 200m to match the standard range of height increments with our stage system. Additionally legs to form 150mm and 180mm rise steps are available to cater for odd stage heights such as +450mm and +900mm.

Adjustment for using steps on uneven ground is available using the same levelling legs as used on our stage decks and stair guardrails simply plug into the step treads locating through holes in the plywood step decking and locating into the step legs.

Bar System

Developed in association with CAMRA (the Campaign for Real Ale) the Alistage modular bar system has been a feature at CAMRA's Great British Beer Festival, held annually in London, for 20 years with over 685m of bar system used at their most recent event.

In addition to the success with CAMRA the system continues to grow in popularity elsewhere, and can be found as a regular feature at an increasing number of events, festivals and functions where a temporary bar system is required.

Curved bar deck sections are available allowing greater freedom in bar design, and for something that bit different, Perspex topped bar decks are available which can be under-lit to create spectacular effects.

The Alistage bar system can be dressed to suit any occasion, and in addition to use as a festival bar, the system has often been used for VIP cocktail bars and backstage Champagne bars at major award ceremonies.

A full design service is available. The equipment is available for dry hire or with the services of delivery and full erection as required.

- Over 770m of Bar System available in stock
- 610mm wide in modular sizes of 2440, 1830, 1220 & 610mm
- Curved bar decks available
- Acrylic topped bar decks available
- Adjustable legs available to accommodate uneven ground
- Plywood fascia and material valance available
- Optic support frames available
- Can be configured to form barrel racks
- All decks weighted for stabillity
- Bar shelves available

Front of Stage Barriers

Alistage all aluminium front of stage barriers are manufactured in our own UK based factory and are available hire and sale.

The system features an interlocking feature between the vertical mast and floor frame to prevent uplift, an extruded anti-slip heavy duty ramped nose, reduced height support struts and integral safety steps.

Quick fit shoot bolts are fitted for ease and speed of erection and units bolt together to ensure rigidity in use.

A full range of barrier sections are available including internal and external fixed angles, Gates, Flexi's and Snake Gates all structurally tested by Lloyds British to loads in excess of the 6kN/m proof test required by BS EN 13200:3.

Whilst barrier hire stock is currently held in self colour aluminium, sale equipment is available with the option of powder coating in a range of colours.

As with our stage equipment, barrier hire is available with a range of services from dry hire to full installation. The addition of the Barrier system to our range allows us to offer a more complete stage hire service for our customers. The next time you make a stage enquiry with us also consider your barrier requirements and let us save you another phone call.

4.88m span Alidome

Stage width 4.88m, Stage depth 2.44m or 4.88m

As the smallest of the four sizes of Alidome, the 4.88m Alidome is widely used to provide PA Wings and Front of House positions especially where one of our larger Alidomes is used as the main stage.

A growing number of clients are also finding this size of Alidome ideal as a covered performance stage for the smaller event.

This size has also proved popular with DJ's performing at outdoor events from street festivals to firework displays.

The System can be supplied with either blue or silver PVC covers throughout, or with clear PVC roof and wall covers which are a popular option.

Available at 4.88m or 2.44m deep, the stage area can be extended with the addition of a thrust stage, which is available in a number of different designs and configurations including circular.

When used as PA Wings alongside the 12.2m or 8.23m span Alidome, covered access can be provided between the main stage area and the PA Wings.

6.1m span Alidome

Stage width 6.1m, Stage depth 4.88m or 7.32m

The 6.1m span Alidome is the most recent addition to the range.

It was introduced in response to growing customer demands for small and medium sized systems where ("in true Goldilocks fashion") the 4.88m span Alidome was found to be too small and the 8.23m Alidome too large.

The 6.1m span Alidome can be erected in depths of 4.88m and 7.32m and can accept a lighting payload of 200kg per each 2.44m deep bay.

The stage area which is large enough for a band performance can be extended with the addition of a stage thrust, available in a number of shapes, and sizes.

The system can be supplied with either blue or silver covers throughout, or with clear PVC roof and rear wall covers.

8.235m span Alidome

Stage width 8.23m, Stage depth 7.32m or 9.76m

The 8.23m span Alidome has become a regular feature at many festivals and events since its launch in 1998.

Available in depths of 7.32 and 9.76m the system is fitted with either blue or silver PVC covers.

Clients include a growing number of Local Authorities who have found the system to be ideal for their mid-sized event.

The roof framework is designed to support a payload of lighting equipment of up to 250kg per 2.44m deep bay of equipment. This equates to a capacity of 1000kg on the 8.23m x 9.76m system.

Matching 4.88m span Alidomes are available which can be used as PA Wings and Front of House units.

The performance area is maximised by the flat back design of the system allowing full use of the rear corners.

The stage area may be further increased to the front with a thrust stage, available in a number of designs, shapes and sizes.

12.2m span Alidome

Stage width 12.2m, Stage depth 7.32m, 9.76m, 12.2m or 14.64m

Launched in 1997 the 12.2m Span Alidome is the largest size currently available and has proved an ideal choice for the larger festivals and concerts.

Popular with a wide range of clients including many Local Authorities, the modular system is available in a range of depths from 7.32m to 14.64m deep and is fitted with either blue or silver covers throughout.

Matching 4.88m span Alidomes are available which can be used as PA Wings and Front of House units.

The 12.2m span Alidome can be supplied with an in-built lighting grid that is capable of supporting a lighting payload of up to 500kg per 2.44m deep bay.

This equates to a capacity of 2500kg on the 12.2m wide x 12.2m deep system.

Unlike many alternative systems, the Alidome canopy spans over the stage with the framework extending to ground level rather than sitting on top of the stage.

The design prevents any possibility of rainwater sheeting off the roof onto the outside edges of the stage, puddling and running back into the performance area.

The flat back design of the system allows the full depth of the stage to be utilised with no loss of space at the rear corners.

Alidome Monitor Sheds

The Alidome range has now been further extended with the addition of Monitor Sheds which can be used with the larger Alidome sizes.

Introduced in 2016 the sheds have proved to be an increasingly popular addition with both frequent and new customers alike.

In addition to providing space for the Monitor Engineer and Monitor Desk, the sheds can also provide off-stage space for other stage technicians and stagehands to work from during performances, as well as a storage space for backline equipment.

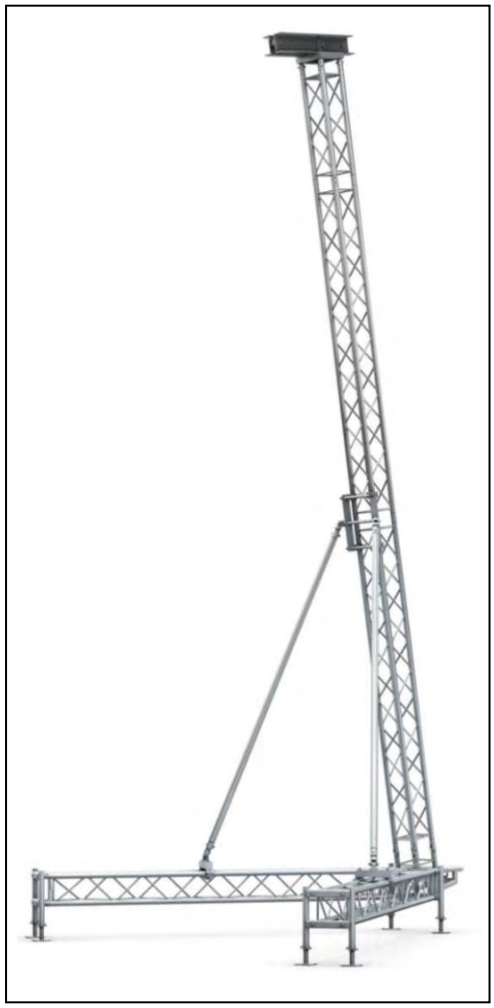
Single bay (3.66m wide x 2.44m deep) or Double bay (3.66m wide x 4.88m deep) sheds can be added to one or both sides of the 12.2m Span Alidome System and to one side of the 8.235m Span System.

The sheds are fitted with Silver/Black (external/internal) PVC covers that match those of the main Alidome structure.

The shed wall covers feature clear PVC windows (with roll-up privacy flaps) and roll up door openings that can permit direct access from ground level via optional stairs or ramp.

MRT1 PA Towers

Truss Towers for Line Array Speakers



The use of line array speaker systems has for some years been the standard choice at the largest of concerts and events, allowing the projection of quality sound deep into the audience without creating excessive sound levels to those audience members closer to the speakers.

More recently systems have developed and evolved with the use of line array now becoming more commonplace - allowing audiences to enjoy an improved and balanced sound experience at an increasing number of mid-sized and smaller events.

To cater for this growing trend we have added MRT1 PA Towers to the range of hire equipment. Available with or without electric chain hoists the MRT towers have a payload capacity of 750kg and are a total height of 8m.

On grass sites stability can be maintained by the use of straps and ground stakes, or on hardstanding sites by the use of additional kentledge.