

CONSOLES PROGRAMME

ALES is concerned with the design, development and manufacture of operator's consoles and technological furniture since 1995.

Specialised furniture (consoles, cabinets and developments) are designed as equipment for centres/workplaces providing high responsibility continuous services or for them with high demands to the ergonomics. Specialised furniture is designed and manufactured according to individual customer's requirements as optional part of the systems delivered by the ALES company or separate as furniture delivery for existing workplaces or as delivery for another manufacturers.

Consoles are designed for large number of applications (primarily ATC and Air Defence applications and other posts providing high responsibility continuous services - e.g. police, fireman corps, security services, factory dispatching centres,...), including mobile centres (transportable airports, radar systems, mobile command posts) .

Application:

Specialised furniture is designed for three different fields:

- ❑ Consoles for stationary centres
- ❑ Cabinets for safe and tabular equipment installation
- ❑ Specialized developments for mobile centres/workplaces such ISO shelters, armed vehicles...

Specialised furniture is used in the wide area of different fields :

- ❑ ATS centres (ACC, APP, TWR, SAR, AMC), even in transportable version (APP, TWR)
- ❑ Air Force or Army C3I centres and their mobile versions
- ❑ ISO shelters development, e.g. radar systems, airport monitoring and control systems
- ❑ Mobile device developments, e.g. in armed vehicles, fire positions...
- ❑ Dispatch centres such as police, firemen, rescue centres
- ❑ Operation centres of factories, e.g. power plants, TV studios...

Design:



Specialised furniture is designed in the respective technical rules for safety and ergonomics. Used materials provides high level of the mechanical, chemical and fire resistance.



Console framework is made from welded steel sheets and closed section steel. Optionally aluminium can be used (more expensive). Table board (top) is made from plastics of high resistance (Corian) or optionally other material can be used, e.g. wood.



Corian is hardened, marble-like plastic. It's advantages are modularity, marble-like appearance with optional colours, soft-to-touch surface, thermal, mechanical and chemical resistance. Corian is available in about 30 colours and 100 patterns. Corian is highly resistant to common ways of damage. The manufacturer affords 10 years of warranty for the material



The modularity and configuration scalability enables to customisation of the workplaces and whole centre.



Shape, size and arrangement of the consoles working surface, light arrangement is adjusted to the concrete installation, equipment to be installed in and to the individual customer's requirements.



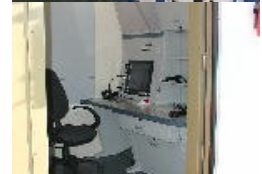
19" cabinets of various heights are built in consoles or standalone. Inside parts of 19" cabinets are zinc coated, framework is finished by baking polyurethane varnish of fine-grain structure, standard shade No. RAL 7038 or optionally any shade of RAL scale on customer request. Cabinets inside can be independent air-conditioned area.

Health certificates:

There are **available consoles certificates** of **National Health Institutes** or responsible offices from countries where consoles are installed. Certificates consider covering consoles ergonomic, material type features, electromagnetic radiation, vibration, noise insulation, and light reflection from of the consoles.











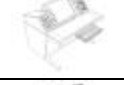





References:

ALES consoles have been delivered for customers (mostly civilian ATC, military ATM, Air Defence) in Czech republic, Germany, Hungary, Indonesia, Mongolia, Moldavia, Slovakia, Russia, Syria, UAE, Ukraine, USA.










Basic modules:

Basic console types manufactured by the ALES are drawn and described by the following table. **Each console type** can be or have been **modified to the countless arrangements and configurations** depending to the site requirements as well as **customer's modifications/designs** can be or have been implemented.

Drawing	Type	Typical use	Configuration
	ACC-3	ACC, APP, SAR, AMC... Air Defence command and control posts	- 3 modules with 3 working positions - each with 2 displays or 1 display and projection board - two 19" cabinet built
	ACC-2	ACC, APP, SAR, AMC... Air Defence command and control posts	- 2 modules with 2 working positions - each with 2 displays or 1 display and projection board - one 19" cabinet built
	ACC-1	ACC, APP, SAR, AMC... Air Defence command and control posts	- 1 module with 1 working position - 2 displays or 1 display and projection board - 6U 19" cabinet built
	APP	ACC, APP, TWR Air Defence command and control posts	- 2 modules with 2 working positions - each with 1 display and optionally another display or projection board - 2-4 6U 19" cabinets built
	APP-R	ACC, APP, TWR	- 2 working positions in 180° angle is possible to fit for one operator with both working positions in 90° angle - 2 - 3 displays - 2-4 6U 19" cabinets built
	APP-F	ACC, APP, AMC... Air Defence command and control posts	- 1 module with 1 working position with vast working board - frame for installation of another equipment, e.g. projection board or another display - 1-2 displays and another equipment (printer) - two 6U 19" cabinets built
	APP-N	ACC, APP, AMC,... Air Defence command and control posts	- 2 module with 1-2 working position with vast working board - 1-2 displays and another equipment (printer) - 2-4 6U 19" cabinets built
	APP-M	mobile APP, mobile Air Defence command and control posts	- ISO shelter size - 3 modules with 3 working positions - each with 2 displays or 1 display and projection board - three 6U 19" cabinets or drawer table
	TWR set	TWR mobile TWR	- 1 module for 1 working position with 1 monitor - 1-2 6U 19" cabinets built
	CP	TWR, supervisor, Air Defence command and control posts	- 1 working position with 1 monitor - option of one 6U 19" cabinet to be built
	CP-A	TWR, supervisor, Air Defence command and control posts	- 1 working position with 1 monitor - two 6U 19" cabinet to be built - option of the another display and projection board
	CP-F	ARO, SAR, supervisor, Air Defence command and control posts	- 1 working position with 1 monitor and projection board - option of one 6U 19" cabinet to be built
	TP	system engineer or administrator...	- 1 module with 1 working position with vast working board - 1-2 displays and another equipment (printer) - 1-2 6U 19" cabinets built
	MCP-A	mobile command post	- armoured vehicle size - 3 modules with 3 working positions - each with 1 display
	MCP-B	mobile command post	- ISO shelter or armoured vehicle size - 2 modules with 2 working positions - each with 2 displays or 1 display and projection board
	DSP	Dispatcher	- 2 working positions - two 6U 19" cabinets and two drawer tables

Optional accessories:

As optional accessories provided for turn key solution are offered - chairs for 24 hour operation in different configurations, backrest height and covering color shapes.

Picture	Type	Typical use	Configuration
	Operator	For primary use in secretarial, workstation and reception applications	<ul style="list-style-type: none"> - Backrest angle adjustment to 16 degrees - Tip-up armrests with angle adjustment - Backrest extension - Contoured cushions - Seat tilt forward/aft, seat tilt tension adjuster - Height adjustment 100mm (gas assisted) - 5 Star base - Double wheel castors - Robust steel frame <p>Options</p> <ul style="list-style-type: none"> - Air lumbar support - Hoop armrests with height adjustment - T armrests with height adjustment
	Navigator	All round business chair for internet users, general offices, VDU operatives and industrial applications.	<ul style="list-style-type: none"> + Mechanical lumbar support + Seat tilt + Backrest extension
	Manager	All round business chair for general offices, VDU operatives, 24 hour and industrial applications.	<ul style="list-style-type: none"> + Air lumbar support + Headrest
	Executive	Ideal for prestige offices, company executives and 24 hour use.	<ul style="list-style-type: none"> + Tip-up armrests + Seat tilt tension adjuster
	Director	A versatile chair for senior personnel, workstation and heavy duty environments.	<ul style="list-style-type: none"> + Headrest (height & tilt adjustable)
	Controller	A 24 hour chair for primary use in surveillance and control stations. Also ideal for deluxe office environments.	
	ATS Executive	The Air Comfort System (ACS) Executive is an ideal chair for prestige offices, company executives and 24 hour use.	<ul style="list-style-type: none"> + Adjustable air support system in all cushions + Comfort headrest (height & tilt adjustable)