

CONSOLES PROGRAMME

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OPERATOR CONSOLES EQUIPMENT CABINETS/RACKS SPECIALISED HOUSINGS

The ALES deals with industrial design and manufacture of specialised furniture required to house the working positions/consoles for particular needs of various users. This product family meets the appropriate working environment-related standards. The furniture can be delivered either as a part of systems supplied by the ALES or as specific-purpose furniture for accommodation of equipment provided by other manufacturers.

Designation:

Depending on the user roles and intended missions, the specialised furniture provided within the ALES production programme falls into the following categories:

- Operator WPs/consoles: for round-the-clock operations which have to meet most stringent requirements in terms of ergonomics and the operating staff comfort
- Equipment cabinets/racks: for a well-organised and safe accommodation of the technical equipment in equipment rooms and at industrial plants
- Specialised housings: for accommodation of the operator WPs/consoles in containers or mobile means of transport (vehicles, armoured personnel carriers, etc.)

ALES specialised furniture can be used in wide range of most critical applications at workplaces such as:

- Air Traffic Services centres; including transportable airport version (ISO container)
- Command and Control Centres of the Armed Forces; available fixed/mobile (ISO container, armoured vehicle) versions
- Dispatching centres such as the Police, Fire Service, Emergency Service, Security Service
- Control rooms of technologic processes in factories, TV studios, etc.
- Airborne or ship-borne control rooms

Design:



Specialised furniture is designed and manufactured in compliance with appropriate technical standards related to the safety of both the operating staff and the built-in equipment. Materials in use provide for a high mechanical and chemical resistance, and incombustibility of the structure. The framework is made of steel sections, the casing is made of iron sheet or shock-proof glass, while the working tablet surface is made of hardened plastic showing marble like appearance, matt finish, soft-to-touch surface, high thermal and mechanical stability, chemical resistance. The plastic is available in a variety of colours, shades and patterns by the customer choice.



Ales furniture design renders the advantage of modularity and configuration variations. This enables the shape and size of each console to be designed according to the integrated equipment appropriate to the user role and the missions executed. A variety of configurations can be arranged to form „in-line“ sectors or „angle-wise“ sectors (using corner elements), while adapted to a space available. The dimensions match with the most recent anthropometric figures and the latest ergonomic criteria.



The working surface/desk top of a console/WP is designed, manufactured and equipped in the way that enables the operator to handle any input or activation device (mouse, keyboard, hand and foot switches, etc.) easily. The built-in equipment (imbedded monitors, communication equipment, etc.) allows a clear view and operation of the personnel without forming any obstacle from a seated position. The illumination of working tablet surface is provided by fully dimmable light fixtures. The console surface includes apertures with covers for mounting the additional equipment later on. Moreover, the customer can be provided with optional accessories (e.g. illuminated map boards, integrated printers, a variety of strip holders, etc.) or functions (e.g. desktop height control, monitor tilt control, etc.).



Console cabinets can be air tight with an internal air-conditioning system. Processing equipment is mounted into 19" racks to be housed inside the console/WP body or sited as a stand-alone housing. Finishing coat of 19" racks provides a noise suppression generated by operating equipment.

Accessories (option):



The chairs of sufficient manoeuvrability, adjustability and durability (such as seat rotation, castor wheels, height and seat angle/back rest rake adjustment, etc.) can be provided for use in '24hr' operation environment.

