

Consoles

// Controller Working Position

Leveraging on its large experience accumulated in decades of successful presence on the market, SITTI is offering its customers a number of solutions for helping them choosing the best solution for their operative consoles.

Besides its world leading position in the study and development of standard technical solutions for integrated Voice Communication Systems, SITTI developed several series of console products to cope with the needs and requirements of operators and controllers on a continuous daily use basis.

The user at the core

Operators and controllers sitting all day at their desks with a heavy and critical workload must be given the best working solution possible. It is not just a matter of comfortable sitting places, but all aspects related to work environment shall be taken into consideration, such as:

- Ergonomy and comfort
- Seating adjustment
- Non-toxic fire-extinguishing materials and paints
- Easy access to communication instrumentation
- Free line-of-sight view over controlled areas
- Reduced "head-up" and "head-down" movements
- Handy placement of displays
- Correct body posture
- Reduced fatigue for arms and legs
- Space optimization

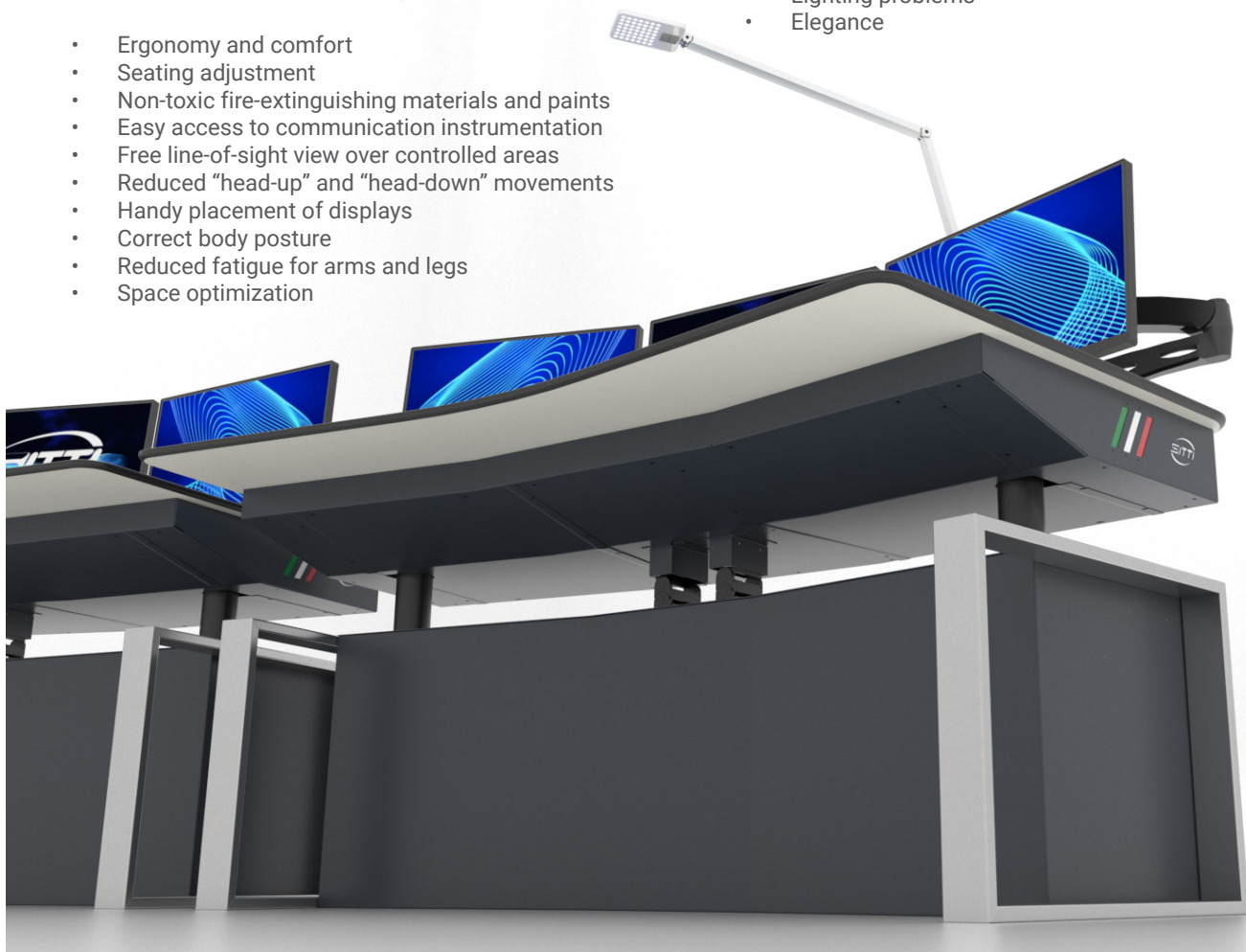
Inside the console

In many cases, consoles are also used to accomodate equipment and devices inside them, in order to make the working place clean and clear and to enhance safety and security. Therefore, further characteristics shall also be considered:

- Adequate internal space
- Reduction of visible/accessible devices to minimum
- Maintenance activities without service interruption
- Air flow and conditioning
- Locking system to prevent unauthorised access
- Power supplies
- Removable access panels

Last but not least, a special attention has been paid by SITTI to allow its consoles adapting to very different environments and use cases, ranging from small airport towers and control centres to large Air Traffic Control radar and procedural centres:

- Easy transportation and mounting
- Flexibility
- Modularity
- Curve spaces and uneven surfaces
- Lighting problems
- Elegance



SITTI solutions

Putting all these requirements together, SITTI consoles are designed with high consideration for the operator's comfort and fatigue related factors, in order to provide him/her with the best, efficient and effective access to equipment and services. Research, use of suitable materials, installation criteria form the basis of the design of our consoles for long term daily use.

ATC Controllers and Control Centre Operators are tasked with a heavy and high responsibility workload, and as such they deserve an ergonomic and easy-to-use environment that makes it easy and comfortable to access all communication equipment and their ancillary services. In line with these requirements, SITTI design criteria take into consideration all related aspects, such as seating adjustment, optimisation of viewing angles, noise isolation and ventilation, choice of materials, touch and feel aspects, as well as the correct positioning of communication devices (keyboards, connector panels, loudspeaker, etc.).

- SITTI longstanding presence in the ATC and Control Room markets allowed us to deeply understand the needs that may arise in different operational applications. Small towers, as an example, may have access limitations and/or limited infrastructural facilities. In addition, operators in a tower require a clear view on the airfield ground with sun light protection, while ACC controllers usually work in bigger rooms with different needs.
- Limited space availability (especially in small towers and emergency service centres) makes it important to fruitfully exploit all available space inside a console, for housing equipment of different size and shape. This may also require proper ventilation and air conditioning, while keeping noise to the minimum level possible.
- Logistics is another significant aspect to pay attention to: transportation, installation, maintenance issues. The modularity that characterized SITTI consoles allows them to be easily transported everywhere in the world and quickly installed wherever needed, even inside buildings with narrow stairs and limited physical access possibilities.



Main common characteristics

SITTI developed several series of consoles to best respond to customer needs. Regardless of the intended usage of the consoles and their size and shape, all products are characterized by the same quality and design features that make them be appreciated in all fields they will be used for.

The more valuable characteristics that are common to all console series are:

- Special attention to avoidance of any sharp edges and corners
- Non-flammable materials and paints
- Non-toxic materials and paints
- Stable structure
- Adjustable feet to stabilize the working plane
- No obstacles to the user when moving the chair
- Self-supporting aluminium skeleton
- Internal space equipped with 19 inches racks (or special frames, according to customer needs)
- Footboard covered with black rubber surface
- High abrasion resistance
- Washable surfaces
- Antistatic working surface
- Stainless nuts, bolts, washers, screws, etc.
- Easy assembly
- User-definable colours

All this results in a higher efficiency of the operators who will get the best from the touch and feel approach of the console design by SITTI. Tailor-made solutions are possible to cope with specific customer requirements, thanks to SITTI internal specialized workshop.

