

The Concept of Modern Control Rooms

Requirements for modern control rooms and command centres continue to increase in number and complexity. The broad range of duties in the control room often necessitates the connection to and integration of diverse systems. Furthermore, the effective and ergonomic access to these systems from each and every work place as well as modern redundancy and security concepts are indispensable. What solution concept offers the most advantages?



In order to fulfil the wide variety of tasks and functions in the control centre, operators rely on support from disparate IT systems: control, alarming, monitoring and communications systems as well as standard office programs, etc. IT landscapes have grown in complexity over the years and it is essential to provide operators with access to all the systems in a suitable manner, ensuring that they are easy to use. At the same time, control room managers also need organisational flexibility: Free-seating means that operators can sit at any defined work place and perform his duties in accordance with his user and functional profile.

Highly flexible solutions are required in this environment: flexibility with regard to the control and operation of diverse sources, systems and applications, and also in terms of the expandability of such systems and ergonomics in the performance of day-to-day tasks.

When Flexibility is essential – KVMA is a solution

A system which is intuitive to use and brings effective results in the day-to-day environment should ideally be built around a KVMA switching system. KVMA switching solutions have developed into a de facto standard in many control rooms. In this case, only the KVMA sig-

nals (Keyboard, Video, Mouse and Audio) are transmitted and distributed to the different desks, from where the computers are then controlled. As a rule, the computers themselves are located in one or more centralised, secure and efficiently cooled system rooms. Heat and noise emissions are eliminated from the operators' working environment. This technique functions without intruding on any systems, and completely independent of the operating system, type of computer and application in use. One great advantage of this system is that signals from a single source (e.g. a PC) can be made available to multiple desks with practically no latency. And when all the signals from the available systems are controlled by a single multifunctional keyboard, the ergonomics of the solution is perfect. The high-performance workplaces are well organised and efficient. The keyboards can be configured to meet individual requirements and they facilitate the intuitive control of data – including feedback in the keyboard display. And when a video wall is included in the total system concept, it can also easily be controlled from the desk.

There are many KVMA providers and manufacturers on the market today that provide partial solutions. Important, though, is an overall concept which consolidates the growing demands of users,

IT and management. To name but a few examples, screen recording, system logging for action traceability, and the integration of events (triggering a defined action upon the occurrence of a certain event) are becoming increasingly important.

With the "WEY Distribution Platform" which is IP based and thus virtually infinitely scalable (future-proof), WEY offers solutions which have been developed in Switzerland and that facilitate the optimal and secure control of systems directly from the high-performance desk. WEY Solutions enjoy a resounding worldwide success and can be found in over 35,000 work places around the globe. In Switzerland, many cantonal, municipal and industrial control rooms have been equipped with WEY technology.

The WEY location in Unterengstringen near Zurich boasts the largest showroom for Control Room and Trading Floor work places in Switzerland.

Contact:
info.ch@weytec.com
Tel.: +41 44 751 89 89



www.weytec.com