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technical solutions for control room

4YC
FOR
YOUR
CONTROL

FOR YOUR CONTROL

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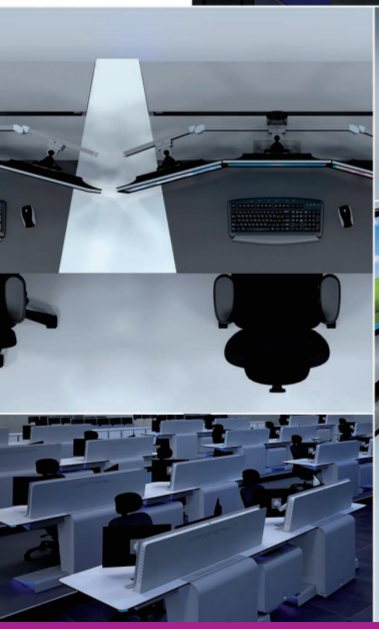
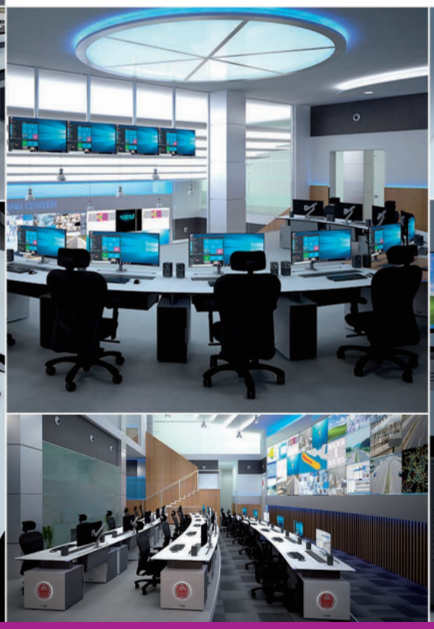
# TECHNICAL SOLUTIONS FOR CONTROL ROOM

"Our aim is the detail"

EXPERTS IN INFRASTRUCTURE DEVELOPMENT AND IN PROVIDING HIGH ADDED VALUE SOLUTIONS FOR 24X7 OPERATIONS ENVIRONMENTS





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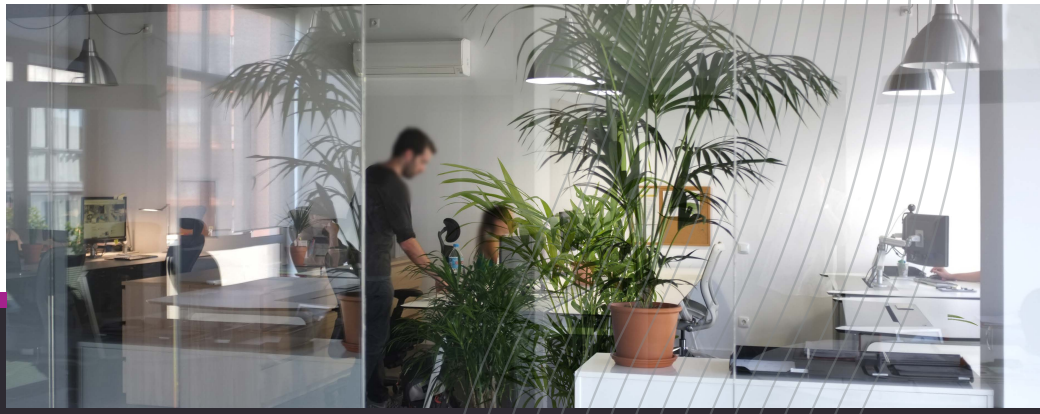
**Roomdimensions Iberica, RDI,** provides technical solutions for control rooms, focused on the manufacturing and exporting of high added-value technical furniture and ergonomic solutions for non-stop operation environments.

We have a wide range of products that enhance the management and the organization of the 24x7 operations environments and their annexed spaces, using at any time the suitable product for the user's needs.

Operations and supervisor consoles, meeting tables, archive furniture, printing cabinets, auxiliary technical furniture, specific 24x7 chairs & ergonomic supports.



# Why 4YC?

**4YC** (For Your Control) is an all-in-one Command & Control Centre Solution which combines features of KVM matrix, videowall control and smart workspace.

No KVM Server required

No Video Wall Matrix required

No HDMI/KVM Extender required

No LED Wall Controller required

No Input Preview Card required to watch real time content

No limit on the channels of source and quantity of videowall display

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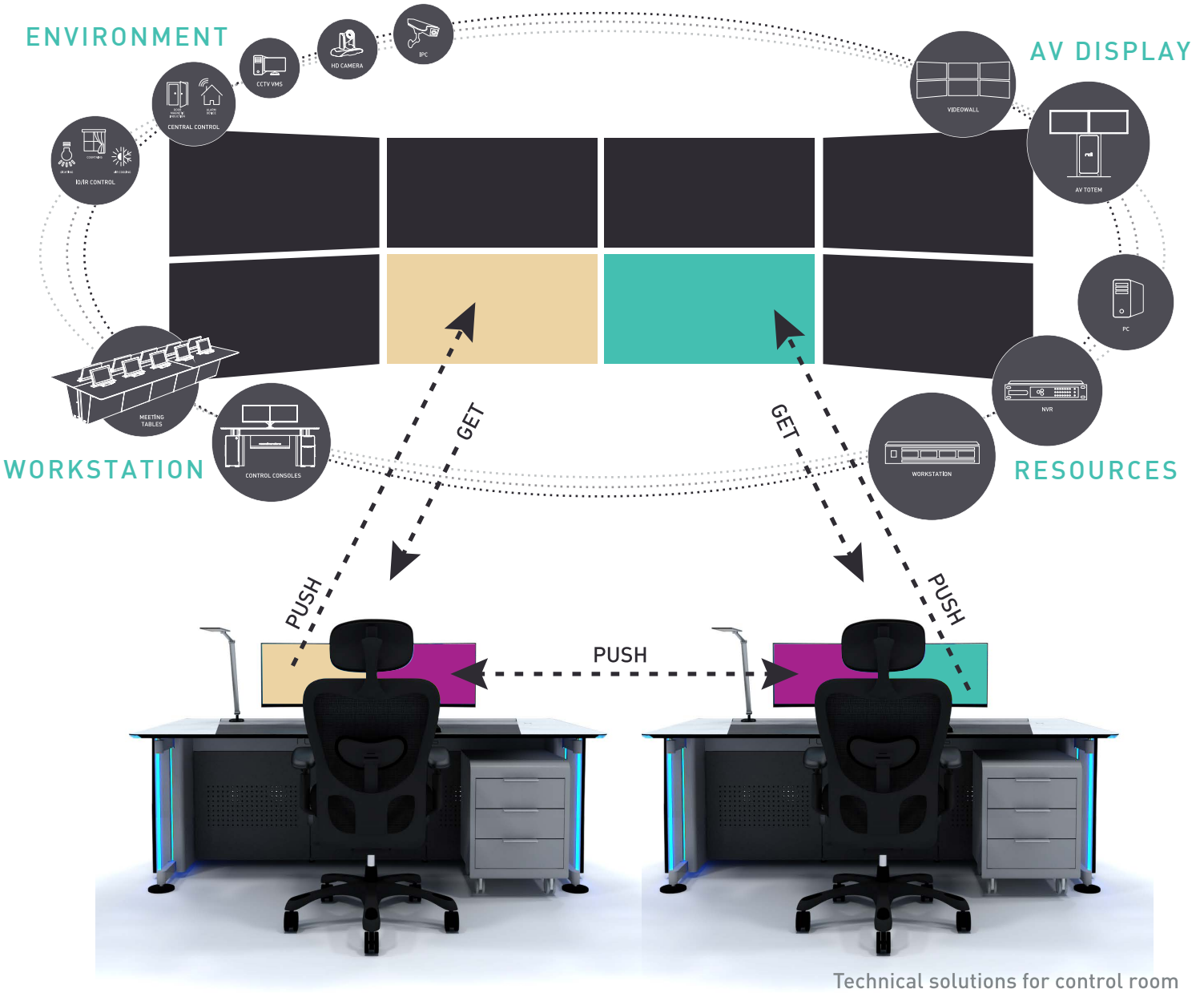
# Command & Control Centre Solution by IP Based KVM Video Collaboration System




Technical solutions for control room

# 4YC

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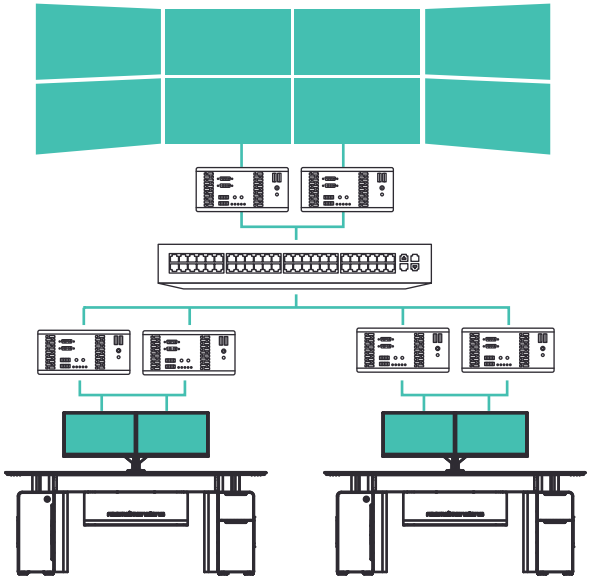
## CONTROL ROOM SOLUTION

The 4YC video collaboration system allows different ways of displaying information to be configured through the operator's workspace.



### 2K TECHNOLOGY

**2K KVM encoder**

Captures video signal and keyboard mouse. 2x HDMI input connectors.

**2K KVM decoder**

Decoder to capture video signal and keyboard mouse. 2x HDMI output connectors.

### 4K TECHNOLOGY

**4K KVM encoder**

Captures video signal and keyboard mouse. 2x HDMI input connectors.

**4K KVM decoder**

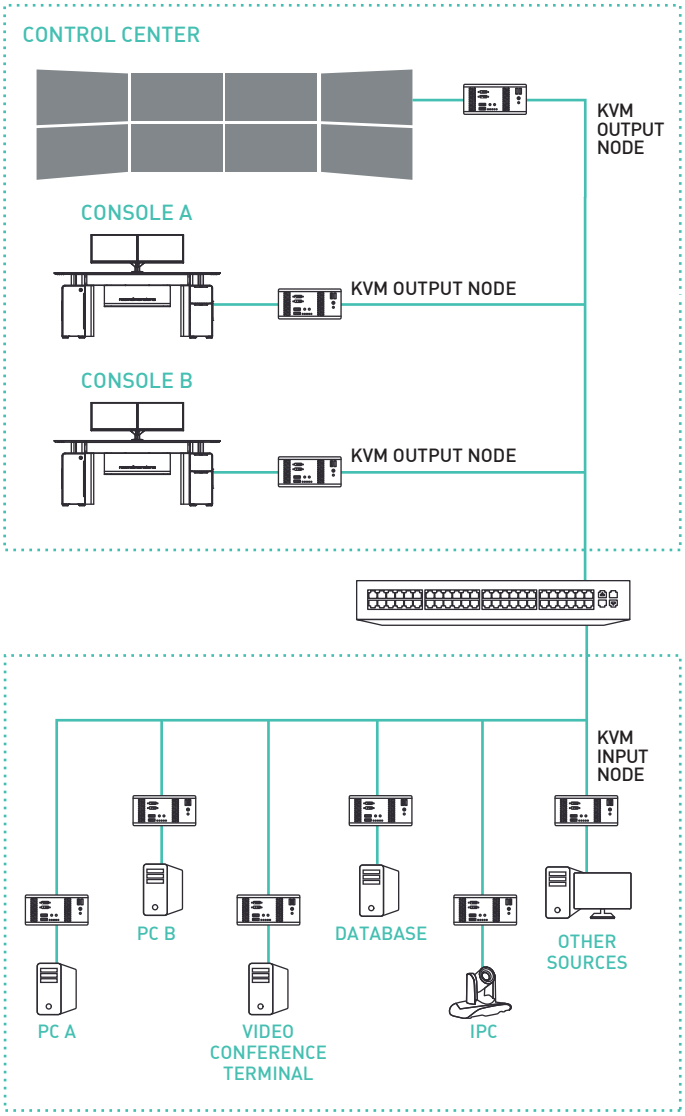
Decoder to capture video signal and keyboard mouse. HDMI / DVI output connectors.

### SWITCH

**28-Port Switch**

POE network switch.

# USER WORKPLACE

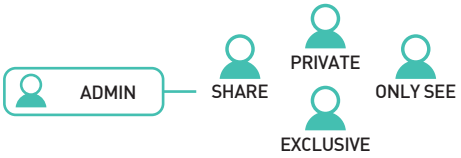



## 1 Definition of PC's of the platform

The administrator identifies the computers that will be available within the platform and creates scenarios, permissions and designs for each user.

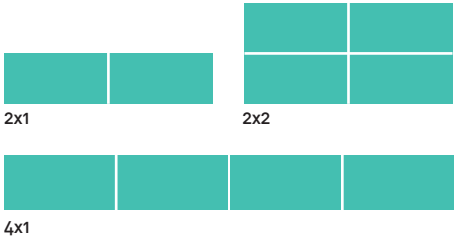
## 2 User/operator registration

The administrator manages via different access authorizations the distinct users/operators with **exclusive access**, **share**, **only see** and **private**.




## 3 Definition of work screens

The number of screens that configure the work place is identified.

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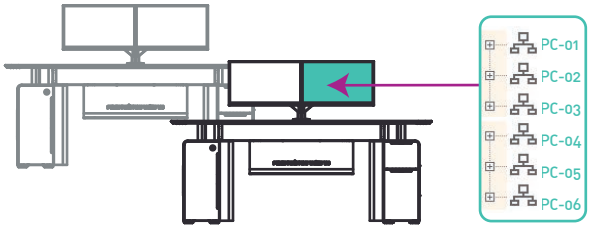
## 4 Layout/scenario definition

Each user's screens can be subdivided in multiple ways to suit each operator's needs.

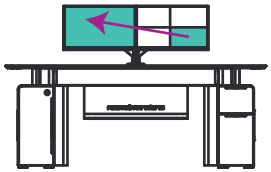
## 5 GET SIGNAL function

Allows the capture of any available video signal within the exclusive network.




## 6 MAIN SCREEN function

The operator can have a main monitor where all secondary signals are displayed simply by double clicking.

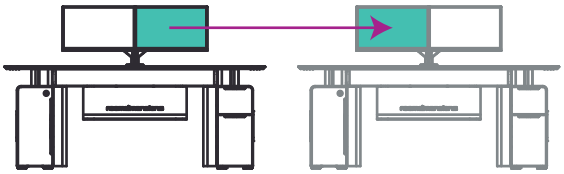


## 7 KVM function

Allows the control of captured signals. The signal is switched automatically by moving the mouse over the predefined quadrants.

## 8 PUSH SIGNAL function

Any operator can send a signal to another operator's post.



## 9 PUSH function on a videowall

Any operator can send a signal to the video wall.

# 4YC EXTRA FEATURES

## EXTRA FEATURES

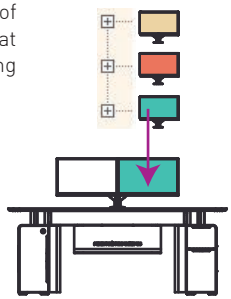
The **4YC platform** also has some extra features that substantially improve its usability:

### 1 Biometric access control

The 4YC platform integrates a **biometric access system** for high control and security requirements. Through the fingerprint, the system provides the necessary means to prevent access to users with no authorization so that the log in and log out is completely secure.

### 2 Source preview

The 4YC platform allows a dynamic preview of the available AV signals on the network, so that the user has more information when selecting the required image.

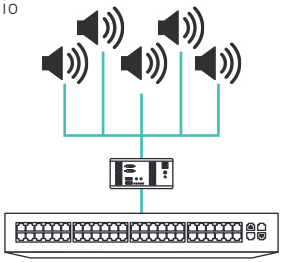


### 3 Integrated video conferencing system

This system allows internal videoconferences between active users of the platform in order to have an integrated communication channel.

### 4 Audio management

The platform offers simultaneous audio management of up to 16 channels.



# VIDEOWALL MANAGEMENT: DS 4YC

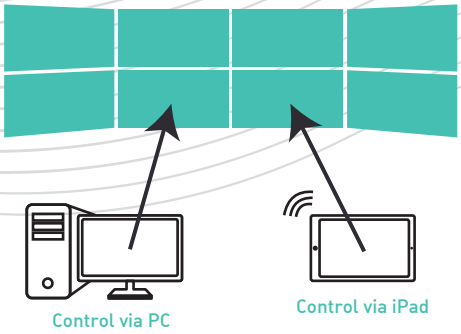
## DS 4YC

The DS 4YC is a graphical platform that allows the management of all network signals and displays them on the video wall through an interface that can be customised and can control different elements. The signals can be PC's as well as lights, air conditioning, curtains, alarms, CCTV...

There is a graphic platform that allows the management of all the network signals showing them on the videowall, by means of a platform that can be custom-made and that has the option of controlling different elements.

**The videowall can be controlled:**

- Via wireles via an ipad.
- Via PC by installing the DS 4YC control software.



## CONFIGURATION

Access to the administration area from which the different sources, signals, etc. can be managed.

## DEVICES

List of devices grouped by type for easy access to each of the signals.

## VIDEOWALL

Videowall representation where you will see all the signals and configurations chosen.

## ENVIRONMENT

Environment elements management area (such as curains, AC, lighting, CCTV cameras, motorized screens etc).

## AUDIO

By dragging the signal preview icon over the audio menu we activate the audio function.

## PREVIEW

Preview in miniature size of each of the selected signals. By double clicking we get control over the specific signal we need at the moment.

## FAVOURITES

By dragging the icon to the favorites folder we create a list. Clicking on the icon shows the list of these sources and they can be dragged to be displayed in the videowall.

## INTERFACES

Button that activates that videowall on which we want to work.

## PRESET & RECALL SCENARIO

With the **preset** action we save different previously designed configurations. With the action **recall** we choose one from the defined configurations.

## CONTROL PREVIEW MODE

Clicking on **layout preview** we can preview the scheme of our videowall. Clicking on **send layout** we send the scheme.

## LAYOUT

Definition of the different formats of the videowall in which we want to divide it.

## SOURCE AUTOPLAY

By dragging the icon we create an auto playlist.

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ROOMDIMENSIONS
Zamora nº 45-47, 4t. 2a.
08005 Barcelona, Spain
T. +34 93 515 57 17
infospain@roomdimensions.es

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