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AV Solutions that put you in control

The Configurable Solution for System Standardization

by Control Concepts, Inc.

Configurable Solutions for Optimal Enterprise Performance

System standardization is a critical component of an enterprise solution because it begins with the directive to provide a **consistent user experience** and builds to developing a **flexible, efficient** solution that can be maintained efficiently and cost effectively.

The **Configurable Solution** meets these needs in one valuable enterprise solution. The solution builds around a particular control processor, specific user interface devices, a master system design that encompasses all equipment within a system, and a forward thinking strategy. System functionality is dynamically configured to create the tailored solution that accommodates the needs of every individual space.

Writing and maintaining one code base that supports multiple unique solutions saves time and money through reduced deployment and maintenance costs, easy system variation accommodation, provisions for defined upgrade path, and ensured consistency.

Configuration settings provide an unlimited number of unique system solutions that include but are not limited to:

- *Enabling quantities and types of sources and destinations*
- *Functionality features*
- *Operation modes*
- *Environmental controls*

Right Choice: Configurable Solution

Developing a configurable, standardized solution requires discipline, upfront investment, and visionary thinking. It takes time and effort to develop a solution and that solution pays dividends through the entire lifecycle of the system. The Configurable Solution grants flexibility, ease of maintenance, and upgradability. Moreover it creates a direct relationship with the control system solutions provider that translates to control over the outcome of your project.

The Configurable Solution is the right solution for the client and project that wants to avoid these pitfalls:

- *Reinventing the wheel for each project*
- *Spending unnecessary time and money designing, installing, testing, and maintaining one-off systems*
- *Paying hefty programming fees to support multiple variations of programs and systems*
- *Battling inconsistent performance*
- *Struggling with increased costs for the life of the project and beyond*

How it Works

To get started, gather all your ideas about your ideal system, including proposed equipment and design and **schedule a consultation with Control Concepts.** We provide needs analysis, **consultation service**s, and help **define the approach to the configurable system**.

Control Concepts defines the approach to the configurable system.

Configurable Solution Project

Phase 1: Develop Scope of Work

Define system functionality and outline the design of the master system. Components of this phase include design of the graphic user interface, definition of system operation, outline of the configurable components, and determination of configuration methods and maintenance that best suit needs.

This first phase is complete with a **scope document** and **control functionality specification** that defines a typical system and the roadmap for the configurable solution.

Phase 2: Development and Implementation

Using the approved control functionality specification and scope document, **we program the configurable system**, test and install it into a pilot room for initial turn-over and acceptance. A pre-determined period of time is allowed for use and comment.

Upon review of **user feedback**, reasonable preference changes and adjustments may be made to the system as it is prepared for final turn-over and acceptance.

Phase 3: Deployment, Support and Maintenance

After final acceptance, the project enters the deployment, support, and maintenance phase. An annual contract allows for support and modifications of the system over time.

We work to support you from inception through the lifetime of your systems. The Phase 3 agreement makes that relationship possible.

Schedule a consultation

Click here or call

Architecture of a Configurable Solution

- Define a pool of **preferred equipment**
  - Device types, makes and models
- Design the **Master System**
  - The largest system the configurable solution supports, even if it is not built at outset of project:
- Define the **components or controls** that could vary in the system, including:
  - Quantity of **computer inputs**
  - Quantity and type of **media playback devices**
  - Quantity of **displays**
  - **Modes** of operation
    - ❑ Audio Conferencing – Yes/No
    - ❑ Video Conferencing – Yes/No
    - ❑ Recording – Yes/No
  - **Environmental control** options
    - ❑ Lighting – Yes/No
    - ❑ Shades – Yes/No
    - ❑ Screens – Yes/No
  - Naming of **room-specific features**
    - ❑ Room name
    - ❑ Phone number
    - ❑ Lighting presets
    - ❑ Cable TV preset names or values
    - ❑ Audio or video conference speed dial presets
  - **Room specific settings**
    - ❑ Device communication address

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- Select a **matrix switcher size** that can accommodate a fully populated Master System **with the potential for growth**
  - Assign **default switcher inputs and outputs** to all sources and destinations in the Master System
  - Select a **control processor and point of control** that also supports your fully populated Master System
  - Assign **default control ports** to all devices in the Master System
  - Specify **standard device addressing/communication parameters**
  - Develop and **consistent, modular, configurable, and easily scalable graphical user interface** to accommodate all configurable variations
- Define default and advanced **functionality options** that are consistent throughout all systems
  - Single or multi-display routing
  - Volume controls
  - Approach to audio and video conference dialing
  - Access protection
  - Web-based control
  - Remote monitoring
  - Reporting
- Include a **management method** for selecting system options and configurations
  - Tech Page Setup
  - Data File References
  - IP Address References
  - Room Name or Number
  - Web Page Field Configuration