

Volume

8

COMPUTER STRUCTURES

We put technology in its place!

Command and Control Centers

INSIGHTS AND ADVICE

NOC Tips / Command and Control Centers

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DEFINE THE NOC'S FUNCTION

Define the NOC's audience, including people that will have no useful function but do have political influence that MUST be satisfied.

When considering a physical site, do a careful and paranoid threat analysis of the planned space, the building, and its immediate environs. You will want to identify possible hazards including fire, flood, etc. Consider how you will get large equipment in and out of the site, especially those that might need emergency replacement. What if the building is on limited power and the elevator is down? Some buildings have to have large equipment lifted in with a crane or helicopter. Air conditioning equipment or major power supplies are examples of very hard to handle components. Understand how electrical power and communications feeders come into the space and building. Are there alternatives for redundancy? Will there be a backup NOC, even one consisting of a node into which staff can dial?



More considerations

Do a thorough electrical requirements plan, and be sure the grounding system is up to current practices. When devices have multiple power supplies (e.g., Cisco 7000/7500), be sure they are plugged into circuits on different breakers.



Planning, Installing, Inspecting

Think through who will be planning, installing, and inspecting signal cabling. If it's a union shop, or especially if non-union personnel will be doing any work in a union area, see if you can get the shop steward on your side.

When planning cable runs, be sure you can access critical components that otherwise might be buried under a heavy mass of cables. Plan the runs so they will not interfere with cards sliding in and out of chassis. Be sure cellular / cordless phones will work in all your wire closets, or be sure there are voice jacks where a telephone set can be plugged in to coordinate testing.

Snakes, floor drains, shock hazards

Beware of snakes, floor drains, shock hazards, etc., under raised floors. Also, consider backup facilities for critical people. If there was a major disaster that isolated the site, but still let some of its function work, where will staff sleep? Are there emergency food supplies (even beyond major disasters - if people are working around the clock, it's good to have alternatives besides pizza, if that is available)?

Beware

Look out for things which may bite you in the end. Make sure you have an adequate number of floor pullers spread throughout.

Especially if you are in earthquake country, think about catastrophes that can knock out the NOC but leave parts of your network working.

CREATE SOLUTIONS

We help create a Command Center that is not only a showpiece but fully functional so your technical staff becomes more knowledgeable and productive.

Our technical furniture is designed to provide the "best fit" for a wide range of applications. Find solutions for: control room consoles, security consoles, command center furniture, network operations centers, and data centers. We provide operator workstations and enclosures for your computers, CRT's & LCD displays and switching systems to allow for both local and distant control of your systems.

Slatwall back for flexible component placement

Height adjustable work surface & monitor shelves

Ventilated storage below the work surface

Cabling is concealed neatly behind the hinged rear doors, maintaining a clean look while offering unparalleled accessibility.

Data ports and power outlets are pre-configured, and shielded from each other.

Increase productivity

Improve your employee's satisfaction by accommodating a variety of personal needs and flexible ergonomic devices.

Adjustable Height consoles are designed to accommodate the needs of 24/7 network operations centers. They offer innovative features and an array of options. The modular, versatile construction of the Adjustable Height console allows for numerous configuration possibilities resulting in a unique layout, perfect for the NOC environment.

Designed to accommodate the needs of 24/7 network operations centers. There are numerous configuration possibilities resulting in a unique layout, designed for your wants and needs.

Flat Panel Consoles will help achieve maximum productivity and space utilization, while providing flexibility and security. Its versatile design make them ideal for a multitude of technology intensive applications including command, monitoring, call and network operation centers.

CREATING YOUR COMMAND CENTER

No one knows your business quite like you do. That's why we are willing to design your custom consoles by visiting your facilities first hand. For us, it is as important to know how your business works as it is to know the physical size of your space.

You can also count on us for quality workmanship and service. Whether you need a console for 2 monitors or 200, we conduct the same business-needs analysis, use the same first-quality materials, and follow the same exacting service guidelines.

Our services may include:

- Conducting an on-site examination of your needs and space limitations.
- Designing CAD drawings depicting possible solutions.
- Consulting with you on proposed solutions, updates, and changes.
- Delivering a formal proposal. Constructing, delivering, and installing units.

WHAT ELSE SHOULD I KNOW?

Switching and monitoring applications are varied and specific. Secure console servers for access and management of server environments, KVM to control multiple computers from one or more monitors and video splitters all may be desirable in your environment.

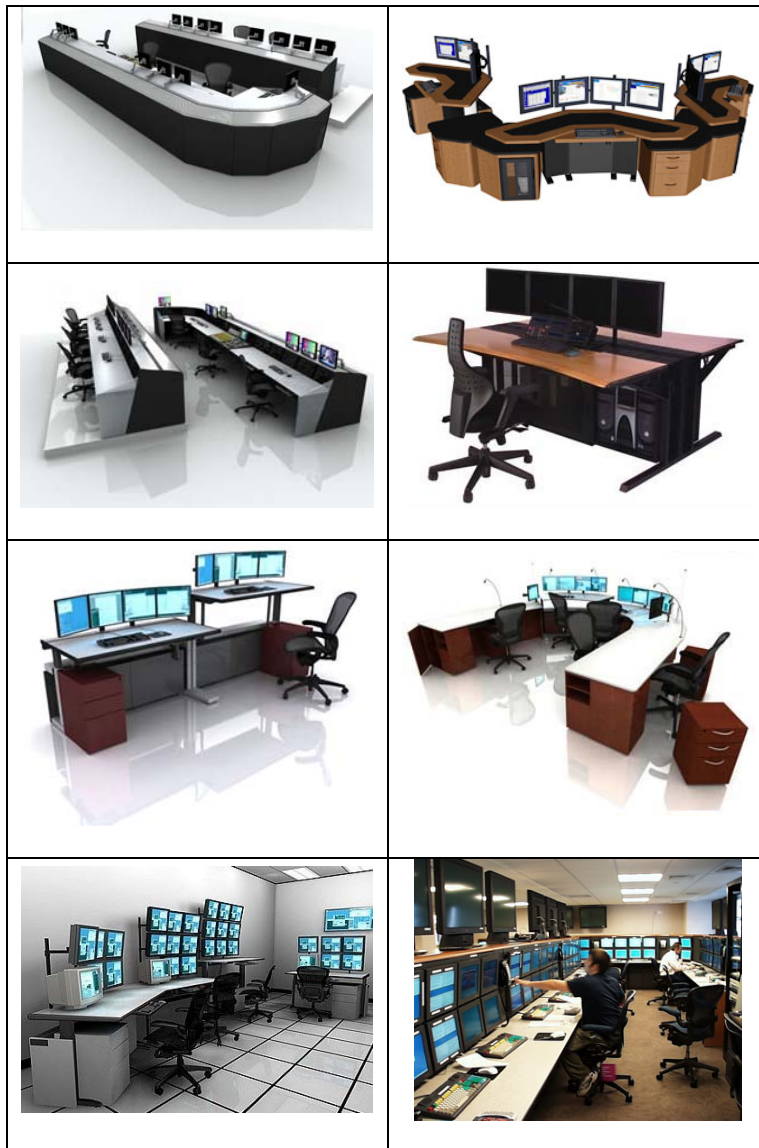
Your ever changing workplace requirements only strengthen the need for comfortable and productive work positions. We balance the functional and aesthetic requirements of any project with the known and accepted understanding of the human structure.



WE DO:

Console furniture	Video display systems	Traffic monitoring / control centers
Data centers	Energy management	Network operations centers
War rooms	911 centers	Disaster recovery centers

FUTURE SOLUTIONS NOW





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Contact Us Now

Remember: IT'S YOUR NOC. Design it to function for you. You may reach us toll free at (800) 293-0557 or via the web at:

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