

PROFESSIONAL DOCUMENTATION SERVICE

INFORMATION WHEN, WHERE AND HOW YOU NEED IT

DUKE UNIVERSITY MEDICAL CENTER - CENTER FOR HUMAN DISEASE - DURHAM, NC

Clients are realizing that Commissioning and PDS really complement each other in achieving peak building performance.

Duke PDS

DOCUMENTATION FOR MECHANICAL, ELECTRICAL AND PLUMBING SYSTEMS

CENTRALIZED LOCATION

ON-LINE ACCESS

PREVENTATIVE MAINTENANCE CHECKLISTS

Commissioning ensures building design and construction meet the original intent of the owner, and PDS allows that facility to continue operating at that same level.

The Duke University Medical Center – Center for Human Disease Models is a new facility under construction that will be completed in late 2003. The 140,000 SF facility is comprised primarily of research laboratories and vivariums. In addition to providing Commissioning services on the project, Farnsworth Group is developing a



PDS that will allow the facility's systems manuals to be online. The PDS's web-based navigation will allow University staff to easily search and retrieve systems manuals for all of the mechanical, electrical, plumbing and laboratory systems throughout the facility. In addition, the University has requested Farnsworth Group develop preventative maintenance checklists for all applicable components found within the PDS.

BLOOMINGTON-NORMAL WATER RECLAMATION DISTRICT - BLOOMINGTON, IL

When facilities and systems are in multiple locations, centralized documentation is a difficult task. The Bloomington-Normal



Water Reclamation District (BNWRD) has facilities located throughout

the twin-cities. Maintaining a centralized library is difficult, if not impossible, and trying to keep a systems library organized at each location is burdensome and requires significant time and labor. BNWRD saw PDS as a solution to its needs. PDS will allow the District to consolidate all of its data into a single electronic format, and be instantly available from any facility throughout the community. Staff will spend

less time traveling between locations to track down documentation and will have more time to focus on their primary responsibilities. Farnsworth Group is developing PDS for two new facilities – the G.E. Valley Pump Station and Southeast Wastewater Treatment Plant – slated for completion in 2004. The projects account for 15 acres of total construction area (facilities and internal plant piping), and will include approximately 14 separate buildings. The PDS will include information on all the facilities, systems and components for these projects.

BNWRD PDS

WILL HOUSE DOCUMENTATION FOR MULTIPLE FACILITIES IN A CENTRALIZED LOCATION

DOCUMENTATION FOR FACILITIES, SYSTEMS AND COMPONENTS

ON-LINE ACCESS

ENGINEERS
ARCHITECTS
SURVEYORS
SCIENTISTS

 **Farnsworth**
GROUP

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UNIVERSITY OF ALABAMA - SHELBY HALL TUSCALOOSA, AL

When the University of Alabama began discussing construction of a new state-of-the-art laboratory, it wanted to ensure the facility would run at peak performance on day one. To achieve this goal, the University contracted Farnsworth Group to incorporate Commissioning activities into the 240,000 SF laboratory design. To

Shelby Hall PDS

DOCUMENTATION FOR
MECHANICAL, ELECTRICAL
AND PLUMBING SYSTEMS

CENTRALIZED LOCATION

ON-LINE ACCESS

TROUBLESHOOTING
GUIDE

protect their investment and ensure the facility would be maintained at optimum efficiency for years to come, the University asked Farnsworth Group to develop a customized PDS for the laboratory to serve as a

virtual blueprint of all systems and components. The University realized placing its systems manuals on the Internet would allow its heating/plumbing, air conditioning and electrical staff to access the manuals easily from any location on the school's wide-area network. Farnsworth Group is working closely with contractors to gather and assemble all the documenta-



tion needed to populate the database. Since this is a new facility, the University will have a comprehensive and historical documentation system that was established from the building's inauguration. PDS will contain all mechanical, electrical and plumbing systems throughout the facility. To further enhance the PDS, Farnsworth Group is providing an on-line list of troubleshooting procedures for common systems issues, which can be appended as necessary. Construction of the \$46 million laboratory will be completed by March 2004.

For more information regarding Farnsworth Group and its Professional Documentation Service, email us at pds@f-w.com.

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