

DigitalVision Manages Documents for W&O Supply

W&O Supply, a premier distributor of Marine pipes, valves, and fittings is headquartered in Jacksonville, Florida, with branch offices in North America and Europe. The management of the Material Test Report (MTR) documents was a major time consuming administrative process at W&O Supply. Customers require this paperwork to assure complete delivery. Without providing relevant MTRs to the customers, W&O Supply ran the risk of products being returned, which inevitably forced more costly procurement measures as well as an immediate increase in unwanted inventory.

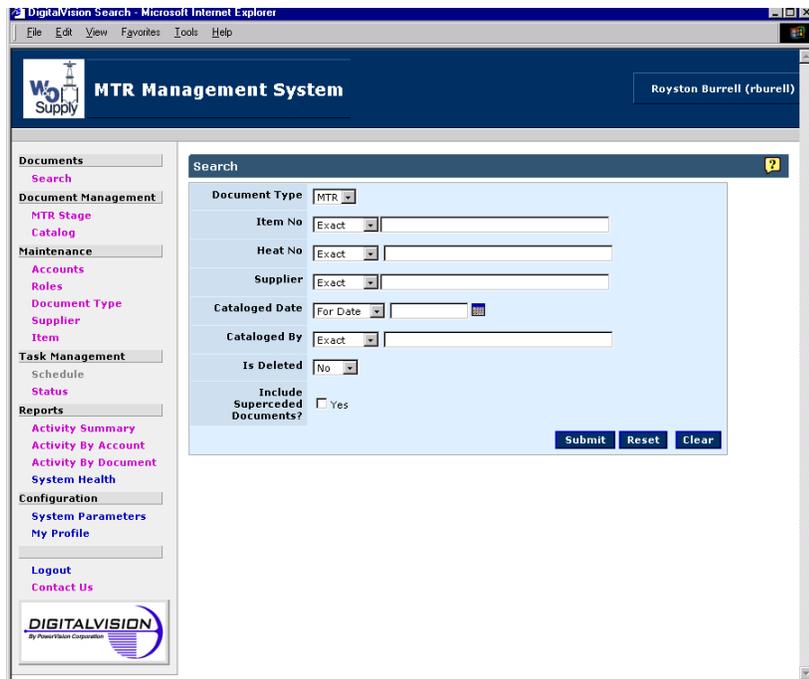
PowerVision proposed a solution based on its **DigitalVision** Document Management System to solve W&O Supply's problems in a cost-effective manner, with proven and quantifiable Return on Investment.

W&O Supply receives the MTRs from the pipe, valve and fitting manufacturers. The globally located suppliers send MTRs using fax, mail, or e-mail. Many times, the documents are duplicates. Sometimes they are superseded by newer versions. Managing these documents was time consuming, and prone to human-errors.



"PowerVision provided a solution that met our needs. We are very happy with the convenience and ease of using our MTR Management System"

*-Walker Allen
Vice President and National Operations Manager, W&O Supply*



Business Area:

- EDMS

Key Technologies:

- **DigitalVision**
- Java, JSP
- Tomcat Server
- Sybase

PowerVision's Role:

- Analysis
- Design
- Development
- Implementation
- Support

PowerVision proposed a system based on **DigitalVision** to effectively manage the MTR's for W&O Supply. PowerVision's **DigitalVision** architecture was the answer to W&O Supply's ever demanding and increasing requirements to convert paper documents and to manage, track, file and retrieve valuable digital assets and electronic content.

DigitalVision's component based architecture allowed PowerVision to quickly customize the system to W&O Supply's needs. Each type of document has certain attributes that would be used as search criteria. The MTR's are associated with the supplier name, item number (SKU Number), and the heat number (identifies the production batch). PowerVision implemented business logic to establish a relationship between the item numbers and heat numbers. It also devised a scheme to identify and eliminate duplicate documents. Finally, PowerVision loaded thousands of existing documents into the system. To reduce processing time at the report generation level, PowerVision created roll-up tables in the billing database to store historical information. Populated nightly through complex stored procedures, these tables reduce the amount of detailed historical data that needs to be stored in the database.

The screenshot displays the MTR Management System interface. On the left is a navigation menu with categories like Documents, Maintenance, Task Management, Reports, and Configuration. The main area shows search results for 'Search: Results' with a table of document entries. A detailed view of document ID 401 is shown, which is a 'VALVE TEST CERTIFICATE AND MILL TEST REPORT' from NEWAY MACHINERY CO. LTD. The document includes technical specifications, test results, and a signature section.

ID	Document	Item No	Heat No	Supplier	Cataloged Date	Notes
13		012101.400	Multiple heat nos...	n/a	2002-09-06	
92		012101.400	Multiple heat nos...	n/a	2002-09-06	
233		012101.400	1021001221	n/a	2002-09-06	
241		012101.400				
268		012101.400				
303		012101.400				
346		012101.400				
401		012101.400				
475		012101.450				
515		012101.500				

The detailed document view shows the following information:

- Document Title:** VALVE TEST CERTIFICATE AND MILL TEST REPORT
- Supplier:** NEWAY MACHINERY CO. LTD. (SUZHOU NEWAY MACHINERY CO. LTD.)
- Item No:** 012101.400
- Heat No:** 1021001221
- Supplier:** n/a
- Cataloged Date:** 2002-09-06
- Notes:** Multiple heat nos...

The document content includes a table for test results:

TEST	RESULT	REMARKS
HYD. SHELL TEST	0.2	NO
HYD. SEAT/INSEAT TEST	0.3	NO
AIR SEAT TEST	0.8	OK

MMS or the MTR Management System, based on DigitalVision was deployed at W&O Supply in September 2002. W&O Supply employees are using the system extensively and saving time, effort, and headaches in both cataloging the documents as well as retrieval of the same. W&O Supply has plans to deploy the system on its extranet so that customers and employees can have seamless access to the information to improve customer service.



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