



OPEN ARCHIVE  
systems

**echive<sup>®</sup>**  
**Solution**

## ***Centers for Disease Control Uses echive<sup>®</sup> to Create a Web-based Research Information Library***

*The Centers for Disease Control and Prevention, located in Atlanta, GA, is recognized as the lead*



*federal agency for protecting the health and safety of people—at home and abroad, providing credible information to enhance health decisions, and promoting health through strong partnerships.*

### **About Open Archive Systems, Inc.**

Open Archive Systems, Inc. is a leading document management software developer. Solutions include document and drawing scanning, distribution, enterprise viewing, raster and hybrid editing, raster to vector conversion, and full conversion to CAD. Products include echive, GTX, Spicer, Myriad, Cyco, Contex, and Vidar.

The Centers for Disease Control and Prevention's (CDC) National Immunization Program (NIP) recognizes that the best, most up-to-date health information is meaningless unless it is delivered in a useful format and accessible to the people it is meant to serve. To accomplish its mission, NIP envisioned a cost effective solution with powerful search capabilities and an easy-to-use interface.

Open Archive Systems, Inc. was selected to assist the NIP in publishing a rich library of research papers, medical data and guidelines over its' intranet. Information on polio, influenza, pertussis and more would then be in the hands of CDC affiliated doctors and researchers world-wide.

Since most of the documents were paper-based, a scanning and indexing system was created resulting in .5 GB of scanned small format documents. These documents were indexed with echive<sup>®</sup> TIFIndexer, a simple yet powerful tool that provided property value indexing (using such categories as condition, author, file type etc.) and full-text extraction to the scanned data. This added intelligence prepared the files for robust search and retrieval capabilities in the echive document management system.

Due to the large number of scanned documents, CDC and Open Archive Systems, Inc. implemented echive Organizer with a SQL Server database and JExplorer as the client/server front-end solution. echive Organizer and JExplorer utilize a powerful search engine, SurroundSearch<sup>™</sup>, that instantly sorts and displays all possible matching word/phrase candidates within the entire database. SurroundSearch's unrivalled functionality also displays the actual sentence containing the search string providing researchers the context in which their search string is used. The correct document can then be selected for viewing and printing.

So for diseases from AIDS to Yellow Fever, it's reassuring to know that CDC medical personnel and researchers now obtain critical information at the click of a mouse.