



Imaging

Synectics has supported the design, development, and operations of a variety of digital imaging systems and technologies since these solutions first became feasible for production use. We have designed, implemented, and operated document management systems that incorporate digital document images, and convert image formats (e.g., via optical character recognition [OCR]) as well as provided full workflow management.

We support geospatial and scientific imaging of statistical data for the Census Bureau, National Center for Education Statistics, Substance Abuse and Mental Health Services Administration, and the Office of Head Start (OHS).

In the late 1980s, we developed a CD-ROM prototype for the publication and distribution of medical information, including medical and scientific images, for the International Cancer Information Center of the National Cancer Institute (NCI). On the strength of this effort, we were invited to present our findings and accomplishments at the 15th International Cancer Congress in Hamburg, Germany, in 1990.

In support of planning for the 2000 Decennial Census, we provided the Census Bureau with long-range technology assessments and forecasts on the feasibility of employing commercially available imaging and imaging workflow technologies as a replacement for the Bureau’s internally-designed and developed custom systems. We also supported long-range planning for the 2010 Census, which encompassed an updated assessment of the state of digital imaging technology both for data collection and data analysis purposes.

We have designed optical scanning and workflow management systems in support of several HHS offices, including the Office for Civil Rights, Office of Inspector General, OHS, the Office of Assistant Secretary for Planning and Evaluation, and the Immediate Office of the Secretary.

The table below cites our Task 3 Imaging capabilities under our CIO-SP3 SB contract.

Requirement	Experience and Qualifications
Document Management Systems	Supported an agency-wide upgrade from the Documentum document management system to Percussion after comparing the capabilities of Documentum, Percussion, and Drupal and producing summary recommendations. Included within the upgrade was the planned conversion of over 1,500 workgroups for over 300 users. Conducted planning and coordination with the service vendor, and coordination with users and stakeholders. Validated the effectiveness of the vendor-supplied conversion utility including subsequent data clean-up operations.
Image Conversion	Converted images for electronic storage and retrieval.
Image Content Management	Responsible for image content management, including the posting of a photo slideshow which showcased the Joint-Delegation to a Refugee Facility in Jordan and Kenya. Add videos to the federal YouTube channel to reach out to communities through social media, and work in collaboration with the HHS YouTube channel to provide information to specific audiences.
Document Imaging	Provide digital imaging services including publishing digital press releases, spotlights, and congressional reports and reviewing and posting PDF files. Ensure 508 compliance of submitted documents. Provide system and services support for the collection, storage, and retrieval of digital images.



Requirement	Experience and Qualifications
Document Imaging—cont.	Retrieve and organize documents submitted by physicians and credentialing organizations for the Drug Addiction Treatment Act of 2000 (DATA 2000). We scan, transmit, and convert images to text as part of the process by which qualified physicians obtain a waiver from the registration requirements of the Narcotic Addict Treatment Act to treat opioid addiction with Schedule III, IV, and V opioid medications or combinations of such medications that have been specifically approved by the Food and Drug Administration (FDA). The images and converted text are stored and retrieved for the verification and certification process.
Workflow Mgt for Digital Imaging	Ensure the digital images posted under the workflow management system are re posted for grants announcements.
Geospatial and Scientific Imaging	<p>We provide geocoded program and grantee locations by street address, locating those addresses on maps. The precise locations of these geocoded grantees or offices are also used to assign (join) these organizations to geographic units like Congressional Districts or school districts.</p> <p>For a funding review project, we linked disparate data sets to map mental health and substance abuse treatment measures and funding by substate region, county, and zip code.</p> <p>Developed GIS and related database systems for a national Web site. U.S. maps in this Web site used State-level data derived from national surveys and collected data sets to display funding data by State. State maps presented mental health and substance abuse prevention and treatment data by substate regions.</p>