



INTELLIGENT DATA TRANSFORMATIONS

Algorithmic data detection
XML construction
OCR enhancement
Metadata extraction
Semantic enrichment
Website data harvesting
Data-driven facial/body analysis
Image plagiarism detection

TECHNOLOGIES

Artificial intelligence
Natural language processing
Machine learning
Deep learning
GATE
Lucene tokenizer
TensorFlow
Entity extraction
Computer vision techniques
Robotic process automation (RPA)

“Industry-leading expertise AND great people, too. DCL is a trusted and committed partner for organizations looking to transform their content and leverage modern technology (AI, machine learning, etc.)”



★ Trustpilot

Artificial Intelligence

INNOVATION

Data Conversion Laboratory (DCL) deploys the latest innovations in artificial intelligence (AI), including machine learning and natural language processing, to help organizations structure content and data for modern technologies and platforms.

DCL's AI expertise spans from micro capabilities, such as computer vision analysis to transform image-based equations to MathML, to developing and providing massive training sets that support machine learning algorithms.

With a full-service approach that includes analysis of content, data, technology, and workflows, DCL provides innovative solutions to structure data and prepare organizations for AI initiatives.

CUSTOMER SUCCESS EXAMPLES

- > **United States Patent and Trademark Office:** created structured data feeds from static documents using AI. Process approximately 2M pages per month in an automated, lights-out workflow.
- > **Global Financial Institution:** data harvesting and AI transformations that provide risk avoidance and streamline compliance processes. Using robotic processes, DCL monitors 150 jurisdictions daily.
- > **Commercial Publisher:** entity extraction, machine learning, and natural language processing to identify and gather grant and funding sources buried in free-form text.
- > **Elsevier:** deep learning and pattern detection to identify, process, and restructure bibliographic citations for Scopus repository. Processed 6M articles and delivered 100M+ restructured XML references.
- > **STM Publisher:** computer vision analysis to identify image forgeries and other digital anomalies.

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“We have worked with DCL for 8 years now. They are consistently responsive, professional, thorough, and highly skilled. They provide webinars on current topics and share valuable expertise. They are trustworthy and helpful. It is nice to know that we don't have to keep up with new content formats - they do it for us.



Data Conversion Laboratory provides data and content transformation services and solutions.

The data, information, and analytics economy runs on well-curated, structured data. DCL structures the world's data to make it consumable.

Using the latest innovations in artificial intelligence, including machine learning and natural language processing, DCL helps businesses organize and structure data and content for modern technologies and platforms.

DCL's U.S.-based project management teams solve complex conversion challenges securely, accurately, and on time.

Practice Areas

DCL works with a range of industries facing content- and data-centric challenges. Following are some of the specific services we provide.

Document & Data Conversion

- XML, DITA, S1000D, HTML, EPUB, MOBI
- JATS, NISO STS, BITS
- Accessibility (Section 508/WCAG)
- Catalog and parts digitization
- Automated document processing
- Library and catalog digitization
- Structured Product Labeling (SPL)
- ACA 6004
- OCR/scanning
- Audio/video transcription

Content Enrichment

- Metadata
- Data harvesting
- Artificial intelligence
- Machine learning
- Natural language processing
- Computer vision

Editorial & Production

- Composition
- Copyediting
- Proofreading
- Indexing
- Quality assurance
- eBook production

Content Strategy & Transformation

- Conversion planning
- Vendor selection
- Content reuse analysis
- Feasibility analysis
- Project development and planning
- Format structuring
- Data evaluation and specification

Industry Leadership

DCL is at the forefront of industry leaders with advisory memberships on the JATS and SPL committees, invited speakers at conferences, and published thought leaders (*The XML Handbook, Information Today, KM World, Wired, Computerworld, EContent, Government Technology* and *The Columbia Guide to Digital Publishing*).



Contact us today to get started!
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