



ILW OVERVIEW & CAPABILITIES

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ILLUMINATION WORKS LLC

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ILW is a **Solution Enablement** company founded in 2006 by Ohio-based technologists with deep expertise and experience in designing and building powerful data infrastructures and applications

- **Small business:** ~100 employees, driven by imagination, inspiration, and ingenuity
- **Vision:** To become our customers' first choice for innovative solutions
- **Mission:** Attract, empower and retain the best people in order to enhance our customers' businesses
- **Expertise:** Deep experience with cutting-edge technologies for big data, advanced analytics, data warehousing, and business intelligence solutions



Data and technology are our areas of expertise...

We provide our customers with accurate and meaningful data tailored to their specific business needs and processes—helping them realize quick wins and long-term success





ILW CORE CAPABILITIES



Enterprise Data Services

Advancing data from reactive and descriptive to proactive and prescriptive

- Big Data
- Advanced Analytics
- Data Science
- Data Warehousing
- Business Intelligence
- Data Integration
- Data Visualization
- Data Quality
- Enterprise Data Management



Enterprise Program Services

Maximizing the value of technology investments to achieve data innovation

- Portfolio/Program/Project Management
- Requirements Analysis & Management
- Strategy & Enterprise Roadmap
- Process Improvement/Modernization
- Quality Assurance & Testing
- Organizational Change Management
- Training & Coaching

Increasing customer data ROI with innovative technology solutions to meet complex business and data challenges

Integration & Cloud Services



Enabling flexible, ubiquitous, convenient, on-demand access to computing resources

- System Integration
- Service Oriented Architecture
- Cloud Enablement
- User Experience
- Application Development
- Enterprise Architecture
- Internet of Things
- Mobile Application Development
- Software Engineering (COTS, FOSS, custom)

ILW provides traditional, big data, and agile services that span a variety of government and commercial industries

Industries

- Aerospace
- DoD
- Air Force Logistics
- Civil Engineering
- Intel
- Education
- Energy
- Entertainment
- Financial Services
- Healthcare
- Marketing
- Retail
- Transportation

Government

- AFMC/A4N
- AFPEO C3I&N
- AFIT COA
- AFLCMC/EZP
- AFMC/PK
- AFRL/RQ
- AFOSR (AFIT)
- B2 SPO
- DHS/TSL
- NASIC
- 711th HPW
- TRANSCOM

Commercial

- Top 25 grocery retailer
- Power, thermal, and infrastructure company
- Premium, luxury, and sports eyewear retailer
- Large propane distributor
- Educational content services company
- Upscale American clothing retailer
- Financial and merchant services company
- Private air transportation provider

Existing ILW customers have benefited from Big Data advanced analytics

Improved understanding
of customer
micro-segmentation



Advanced
supply chain
optimization



Reduced costs in
packaging
and stocking



Enhanced
fraud detection
capabilities



Maximized efficiencies in a
centralized/ decentralized
distribution model



Reduced costs of
facility energy
consumption



Enhanced tactical
spending on
marketing programs



Solving specific client problems with advanced analytics is at the core of what we do



ILW VIRTUAL INNOVATION LAB

Our virtual **ILW Innovation Lab** gives attention to technological advances, allowing us to bring solutions in at a fraction of status quo cost

Sample projects include:



- **Text analytics modeling** for condition based maintenance (CBM) outcomes for aircraft and support equipment
- **Master data management (MDM) integration pipeline** capability for systems to systems integration with high-fidelity data Android and iOS applications to leverage text analytics capabilities for maintenance personnel
- **Health care prediction models** leveraging text analytics and Hadoop
- **Real-time online search capability** for remote deposit capture and fraud detection
- **Network intrusion detection and traffic monitoring** on large scale networks leveraging Hadoop and Spark
- **Content filtering and search** for advanced learning using an Amazon Web Services and Databricks big data solution
- **Automated ingestion framework** using Java Spring-XD based big data

Innovations allow business breakthroughs—
leveraging technology in solution delivery is what we love



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