ETL

Intelligent Solutions

Intelligent solutions require smart partnerships and technology. ETL integrates the solutions that fit your environment, not the inverse. We work to make technology smarter to deliver just-in-time technology that aligns with your employees expertise and needs. Freeing your workforce to select tools that reduce errors, improve productivity and efficiency.

Expertise

We work within the infrastructure of your business to integrate new solutions with the existing. Our expertise is in Augmented Reality Solutions, Workforce Development, Manufacturing and Industry Solutions, Data Driven IOT, Wearables, Intelligent Solutions, Mobile, and Cloud Services.

Our Services

ETL works with you to make your data smarter and your environments safer and more productive through:

- *Supply chain assessment and visualization*

- *Workforce Development expertise for manufacturing and industry*

- *Augmented Reality*

- *Cognitive and Visualization Services*

- *Virtual Agents*

- *Geo Mapping*

- *Smart City technology*

- *ADA Compliance*

Partnership

We are proud to partner with IBM, PTC, RealWear, VSSAM, Workflow Plus, and many more!

Industrial Badger App Features

IBA is an workers tool that integrates within an existing envirnoment by integrating existing applications within a business as a microservice and extending their capability with intelligent applications for wearable and mobile devices.

Android: Mobile/Tablet/RealWear

iOS: *In Development*

Wearable: RealWear HMT-1

Content Management System (CMS): Integration with Integllent Mixed Reality Content Management System. The IMR CMS allows for application content development system, synchronous integration for online and offline delivery to Industrial Bader App, mapping, document storage. Application data for content, multiple topics, maps, SSO integration, can be used to data mine information and deliver information to the user.

Mobile View: Standard mobile application view to the core IBA features. This view is for the traditional application user who may struggle with newer, complex sets of interactions or does not require an AR view. Additional ADA capabilities available in this view. Features include, Search, Content, Gallery, Notes.

Augmented Reality: Autonmous AR viewer. Vuforia Studio is the defulat AR viewer and includes integration of IMR content, video, Notes, Image Gallery, Image & Video Capture. AR applications can be swapped out of this view for integration for tools such as, ThingWorx, ARCore, Unity3D, WikiTude, ARKit, etc.

IIOT: IIOT Integration is available as an customization service. *ETL is a partner with IBM and PTC.*

Offline Content: Content is localized and available offline to support users who may be working in extreme conditions. Offline content does not include instances where a connection is necessary, such as discovery search and AR interactions.

AI/Machine Learning: Includes Watson Discovery integration. PowerAI integration is in development. Support services available. Custom service. Data mining for measuring users, predictive analysis, smart feeds.

Document Viewer: IBA integrates with Azure FIle Server and Blob Storage, Box, and Drive.

Natural Language Processing: IBA integrates with IBM Cognitive services for Chat and Virutal Agent with integration into Watson Discovery Services. Google Cloud speech integration avaialble. Speech to text available. *Pilot testing now, integration Q3/Q4.*

Chat/Virtual Agent: IBM Cognitive Services.

Notes: User controlled note taking tool with integration with NLP and Image Gallery and export functions. User capture notes. Stored in IMR or can be pushed and shared to other users.

Search: Local and external search available. Search includes localization offline search and external search with integration with Discovery and external document repositories. *In pilot/testing phase. Integration Q2.*

Image Capture: User controlled interaction available with AR View and NLP.

Drawing: Available for mobile. Finger drawing. Currently exploring motion tracking to work with wearables.

User-Controlled AR Interface: User controlled actions using NLP. *Full ADA Integration in development.*

API: API integration available, including customization services for integration into IBA or to call external actions.

Cognitive Services: Optional integration available with IBM Cognitive Services. *Azure Cognitive Services in development.*

Encryption: Encryption services available. Limitations based upon OS version. Full DES 256 for Oreo not available for RealWear.

Object Retreival: Object Retrevial availalbe for supported file types. Search will retrieve available objects available in the object repository. Pilot testing now, integration with search Q3/Q4.

Training Delivery: Instructional Design Services available.

Discovery: Watson Discovery Services integration.

Markerless Tracking: Available for AR supported applications. This is a customization feature.

User Authentication: Active Directory and OAuth 2 integration. *In development, Integration Q3/Q4.*

Task Tracking: Integration availble as an addon with WorkFlow Plus.

Geolocation: *In development with a parternship between Mapbox, Overview Solutions, Smart City Columbus integrating WayFinding capability including indoor wayfinding, and ADA capability features.*

Barcode Scanner: Integration availble.

OCR: Integration availble.

Remote Mentor: Optional integration available.

Offline Speech: NLP offline search in research.

Fisheye Zoom: *In development through a partnership with InVision.*

Export: Export available in AR view for Notes.

Quiz: IMR Quiz integration available.