



“We believe great software drives great businesses. Our methodology actually drives everything we do. It leads us to ask the tough questions so you get the right answers.”

- John C. Fread
Managing Partner
Logical Advantage, LLC

Overview

Software development can be viewed as a complicated web of processes, procedures and interdependencies – each with its own set of inherent risks and challenges. However, most successful application development projects typically follow some sort of process or methodology, and all successful software companies follow one rigorously.

At Logical Advantage, our team of architects, developers, business analysts, project managers, and quality assurance associates have worked over time with a variety of development methodologies. Over our company’s history, we have gradually evaluated and modified many aspects of each of these methodologies to create one common process that will best meet the needs of our customers’ projects.

This methodology has become known as Delivery AssuranceSM.

Delivery Assurance is designed to provide a rapid, iterative process that minimizes risk and manages even the most challenging solutions on time and on budget. At the outset of each project, Logical Advantage confirms that the Delivery Assurance process will be a good fit by ensuring that the proposed plan meets a number of fundamental requirements such as:

- Predicting accurate timeframes and anticipated costs
- Scaling to meet all current and future requirements
- Ensuring the project is secure
- Delivering on time and on budget
- Supported by the client’s staff

Once a project is confirmed to meet our fundamental requirements, we divide its deliverables into milestones and phases. As changes occur in the project – as they often do – they are evaluated for their impact to the schedule and budget before any are incorporated, and always with explicit permission and input from the client.

Delivery AssuranceSM

Since it is designed to deliver fundamental requirements, our process is applied to each project in a consistent, repeatable manner. And since we have designed our approach to be user-centric, our applications all emerge enterprise-ready, with systems that are intuitive as well as secure and scalable. Delivery Assurance contains the following elements:

- Discovery
- Design
- Development
- Quality Assurance
- Implementation
- Project Management

Discovery

All successful projects begin with a clear understanding of the system's requirements, as well as what it will take to deliver those requirements. If those goals are not clearly established, what is delivered may vary drastically from what the business user needs. Logical Advantage begins each project by taking the time to understand and document the business requirements, as well as giving the client the opportunity to review and make any changes to our documentation prior to building the solution.

Design

Using the Business Requirements Document as their starting point, our senior architects develop a comprehensive blueprint for your system, creating a secure, scalable foundation that can provide maximum performance while leveraging your current infrastructure. Our design phase includes development of all Functional Specifications, the Detail Technical Design (including components, modules, parameters and coding standards), and the Database Design.

Development

As areas of the application are understood, documented and designed, development will begin. All Logical Advantage developers are held to a high standard, including industry standard coding conventions and are extremely knowledgeable of our Delivery Assurance methodology and LAAFSM application framework. Under the direction of a Technical Lead, each project has its code reviewed and compared to conventions and design standards.

Quality Assurance

The Logical Advantage quality assurance process is unique in incorporating subject matter experts (our Business Analysts) into the full testing of each aspect of the system. Using a milestone-based system of test cases, the team verifies that all of the Requirements Document is represented in the project, and that all issues are logged and resolved. In this stage, clients are provided with an environment where they can perform User Acceptance Testing (UAT).

Implementation

Once UAT is completed by the client, Logical Advantage assists in installing the system into the client's production environment. Within this phase, we roll out the production code, run testing in the production environment, and train your staff based on our agreed-upon plans. We then support the application, either by handing it to your staff seamlessly or by providing support on an hourly or contractual basis.

Project Management

As the cornerstone of our Delivery Assurance methodology, project management is applied to every aspect of every deliverable in the project. We base our project management on frequent communication with our clients, with the motto "no surprises." To ensure success, our Project Managers take responsibility for project planning, schedule and budget maintenance, risk management, client communications, and change control management.



Project Team

A great methodology can only get you so far. If there is a key to a successful initiative, it resides in the people at the heart of that project. For each project we undertake, Logical Advantage assigns key resources that remain attached to the project throughout its lifecycle. We do this to ensure that the client has consistent representatives that will advocate the business and architectural requirements throughout the project. This project team includes:

- Business Analyst
- Technical Architect
- Project Manager
- Partner Manager

As the project progresses, other resources will be assigned as needed. These may include developers and additional quality assurance resources.

To learn more, contact us at 704.377.5066 or visit us at www.logicaladvantage.com

About Logical Advantage

Logical Advantage is an award-winning technology consulting company serving the Fortune 1000 and many small businesses throughout North America. Our passionate, experienced software development practitioners help organizations solve their most pressing challenges by leveraging investments in Microsoft technology. Through our time-proven, collaborative and flexible approach, we help our clients design, build and implement custom solutions that provide sustainable, measurable results, delivered on time and in budget. At Logical Advantage, we make application outsourcing easy.