

Digital Transformation Enhancement using Artificial Intelligence (Ai)

www.ailabsinc.com
430 West Warner Road, #113, Tempe, AZ-85284

Table of Contents

DIGITAL TRANSFORMATION..... 3

ROLE OF ARTIFICIAL INTELLIGENCE IN DIGITAL TRANSFORMATION..... 6

IMPORTANCE OF ARTIFICIAL INTELLIGENCE IN THE DIGITAL TRANSFORMATION WORLD..... 7

CONCLUSION..... 8

www.ailabsinc.com
430 West Warner Road, #113, Tempe, AZ-85284

DIGITAL TRANSFORMATION

Why Digital Transformation and how we can make an impact?

Digital transformation is the integration of digital technology into all areas of industries. It results in fundamental changes to the way a business operates. Organizations across industries enjoy the benefits of digital transformation: It enables businesses to modernize legacy processes, accelerate efficient workflows, strengthen security, and increase profitability. This transformation affects each level of an organization and brings together data across areas to work together more effectively.

Rather than simply migrating data to the cloud, **AiLabs** leverages digital transformation technologies via taking advantage of workflow automation and advanced processing, such as **Artificial Intelligence (AI) Machine Learning (ML), Robotic Process automation [RPA**]. This helps organizations to re-evaluate and optimize current legacy systems and processes, ensuring they are interoperable and flexible enough to provide robust business intelligence and maximize operational efficiencies

To address the challenges many of our clients' experience when trying to realize the value of their Current investments, we developed **3 key steps** that can help you achieve your desired digital future state.

1. Vision Strategy & Operational Compliance: Start with a clear vision balanced with defined strategies and KPIs for execution and measurement. This includes developing a guide for the steps, roles, activities and measurement criteria to help educate everyone on how to deliver the vision and strategy.

2. Platform Architecture: Identify the optimal architecture using four main factors — Product roadmap, Limitations, Complexity and Data.

3. Establish Best Practices/ Methodologies: Utilize processes and new ways of working as mechanisms to foster innovation and agility with a focus on establishing strong cultures of performance and outcomes.

www.ailabsinc.com
430 West Warner Road, #113, Tempe, AZ-85284

With Ai Labs, our clients enjoy the benefits of digital transformation with the confidence that their data is protected. Ai labs specializes in providing Digital Transformation Solutions to several industries such as:

Retail

The concept of digital transformation in Retail is the use of cutting-edge technologies and business models to motivate employees to be more productive and to increase customer value. It helps organizations in creating business strategies, changes the culture, and provides better employee and customer service.

For retail companies, this includes things such as online ordering, contactless ordering, curbside pickup, self-checkout systems, cost optimization etc.

Fintech

Digital transformation has made a positive impact on fintech business operations. It has led to opportunities of faster, cost-effective operations, meeting regulatory deadlines, improved employee and customer experience and remaining competitive. It has led to the growth of online lending. Lenders can use digital channels to reach more consumers and offer them faster and easier loan approvals. By digitizing their processes, lenders can reduce the time to approve a loan.

Common uses of digital technologies include smart mobile payments, Peer-to-Peer payments, online lending services, Robo advisors for financial and investment planning etc.

HealthCare

Digital transformation in healthcare is making use of the latest technologies, methodologies, and processes to deliver sustainable value to patients, healthcare professionals, and healthcare organizations. It's basically about embracing and employing advanced technologies and innovative approaches to maximize benefits.

In this context, common uses of digital technologies include searching medical knowledge resources, facilitating clinical support, monitoring quality of care, and mapping and monitoring the spread of infectious diseases, as well as tracking supplies of drugs and vaccines.

Oil & Gas

Digital transformation in Oil & Gas uses industry experience combined with a structured approach to enable companies to understand how digitization can alter the industry ecosystem and define the best course of action tailored to their unique situation. We help define the digital vision, build new offerings, transform core businesses, and establish a solid foundation for full-scale digital transformation.

www.ailabsinc.com
430 West Warner Road, #113, Tempe, AZ-85284

Our approach provides more sophisticated data insights can help oil and gas businesses to increase operational efficiency by innovating the maintenance of assets, identifying better areas to drill, decreasing unplanned downtime and optimizing production.

Power/Energy

Digital transformation is a crucial ingredient in the energy transition, allowing the integration of more and more renewable energies throughout the electrical system, increasing network reliability, and helping to better manage energy demand.

Examples include energy storage optimization, Generation of E-bills, Smart asset planning, Real time supply, network controls and demand platform etc.

Manufacturing

Digital transformation in the manufacturing industry encompasses more than marketing and selling on digital channels, though it is part of the process. Manufacturers take advantage of evolving technologies by implementing them in all facets of their business, whether in the manufacturing process, the workforce, or the end product

Examples includes additive manufacturing (Commonly referred to as 3D printing, additive manufacturing is a process that creates a physical object from a digital design), reducing equipment down-time, Streamlining packaging and delivery process etc.

At Ai Labs, we create an environment that makes it possible to test new approaches or technologies quickly and then iteratively make improvements based on customer feedback, all while managing risks.

www.ailabsinc.com
430 West Warner Road, #113, Tempe, AZ-85284

ROLE OF ARTIFICIAL INTELLIGENCE IN DIGITAL TRANSFORMATION

Often times, when Ai is discussed in the context of engineering, Manufacturing, Finance etc. We are actually referring to how sophisticated algorithms are designed and implemented for a pre-defined task with a pre-determined set of inputs.

Unlike standard automation Ai enabled Digital Transformation can react to new information or unexpected events/changes. This is big benefit of Ai enabled Digital Transformation where algorithms learn from success and failure while automation provides the digital outcomes that are capable of self-correction and data analytics to detect incoming abnormalities before they occur.

The main differences between Automation and Artificial Intelligence are as follows:

Automation	Artificial Intelligence
• Design to accommodate simple, repetitive tasks. • Cannot be scaled or learn by itself. • Rule based operation • Generates large amounts of data without analytical capabilities	• Designed for complex and usually non-repetitive tasks. • Designed to analyze to and predict from real time data based on models • Evolves and learns based on historical data. • Highly beneficial in data analytics for organizations with large amounts of data • Can identify patterns from historical data and learn for future predictions

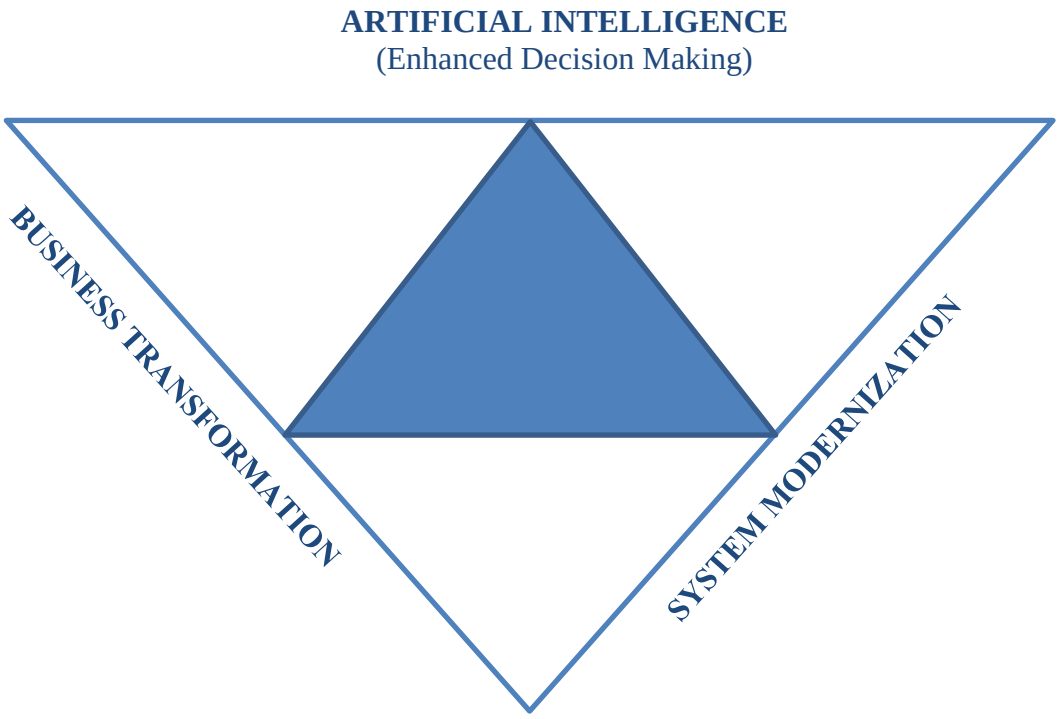
www.ailabsinc.com
430 West Warner Road, #113, Tempe, AZ-85284

IMPORTANCE OF ARTIFICIAL INTELLIGENCE IN THE DIGITAL TRANSFORMATION WORLD

At AiLabs, we believe that the greatest strength of any digital technology is to transform the physical world to improve productivity, innovation, operational efficiency that ultimately produce a meaningful impact on the organizations **Return On Investment (ROI**).
Therefore, Ai is essential for most complex Digital Transformation applications/projects. Without Ai, the digitization of processes would result in huge amounts of data that cannot be analyzed by humans in a reasonable time. As a result, all our **Minsky™** solutions use Ai to power critical applications that require predictive analytics.

Ailabs utilizes the full strength of Artificial Intelligence to collect data from our digital transformation initiatives to analyze and monetize data along with meaningful insights.

Companies that take a more holistic approach to Ai, focusing on three business goals as shown below, see greater success than those that take a singular approach.



www.ailabsinc.com
430 West Warner Road, #113, Tempe, AZ-85284

CONCLUSION

We at AiLabs expect to see more companies to embrace Ai in their Digital Transformation strategies to maintain a competitive advantage. We believe that Ai needs to be integrated with the most future digital initiatives to maximize returns and provides the desired automation. The key metrics for a successful transformation should be to efficiently analyze big data, give people the tools/platform to greatly enhance operational efficiencies and maximize the **Return On Investments (ROI).**

www.ailabsinc.com
430 West Warner Road, #113, Tempe, AZ-85284