

APPLICATION MODERNIZATION SERVICES

Optimize | Integrate | Transform

Trending

Evolving consumer and market needs in the digital economy require business agility and flexibility. Companies are modernizing applications to be modular, scalable, with integrated architecture using the latest technologies, and yet reliable and compliant to the latest regulations.

In the rapidly changing technology landscape, many healthcare organizations realize the need for digitization of traditional systems with improved data infrastructure and optimized workflows. These new systems are enabling enhanced user experience and seamless data communication between patients, providers, payers, and also researchers.

For transforming applications into more integrated and fully optimized solutions, companies are looking for a systematic approach towards assessing their existing portfolio and migrating to improved technology and architecture. In this approach, although accelerated development with maximized ROI is a key, compliance with the stringent regulatory guidelines for digital healthcare systems is also significant.

Along with modernization for primary functions, enterprises are also incorporating advanced technologies such as cloud-based computing, data analytics, AI, extended reality, etc., to improve provider efficiency and patient outcomes.

Opportunities

Organizations are looking for systems offering improved ROI, better stakeholder experience, less maintenance, and easy scalability. However, for many businesses operating within strict regulations, change is not easy to achieve.

For many organizations, meeting the ever-changing business needs with legacy systems has become difficult. The challenge especially comes in the areas of scalability, interoperability, and compatibility with advanced technology. Businesses need a combination of technology, domain, and industry competence for:

- Understanding market and consumers needs along with technology trends to improve customer value
- Assessment of existing systems for modernization scope and strategy
- Program planning to meet agility and deployment requirements while optimizing investments
- Analyzing potential workflow improvements in terms of usability and economies
- Understanding regulatory and quality needs

With the right expertise and project execution, many organizations have achieved impressive feats in terms of direct business benefits such as reduced overall costs including maintenance and cost associated with redundant modules and legacy systems, maximized ROI, optimized workflows, compliance to patient privacy and latest regulatory norms, and many indirect but sustainable benefits in terms of improved patient and provider experience through better, faster, and best in class systems.



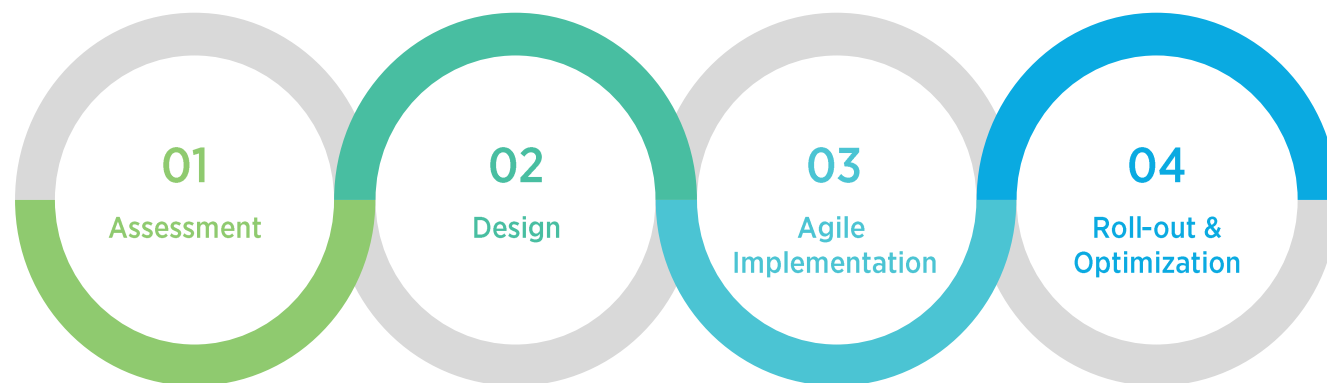
Benefits for Customers

- Reduced cost of operating applications
- Faster application release cycle and reduced build time
- Improved user experience and interoperability for seamless user experience
- Superior application performance and scalability to meet increasing customer demand
- Patient privacy and safety assurance with compliance to latest norms

APPLICATION MODERNIZATION SERVICES

ELEVATE

Structured process to transform business and deliver digital solutions

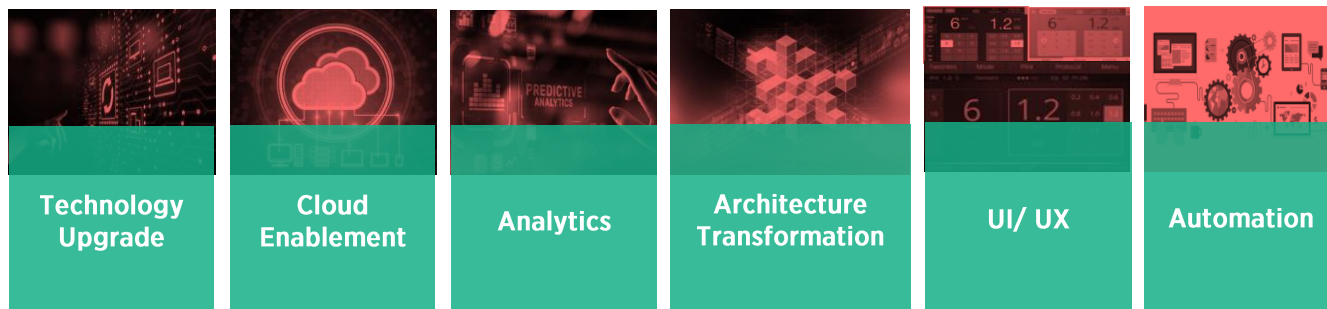


- Market Trend Analysis
- Analyze Business Case
- Prepare Modernization Plan Approach
- High-level Implementation Plan
- Study Platform Requirements

- Define Cloud Business Model
- Finalize Architecture
- Finalize Integrations
- Finalize Regulatory and Security Compliance
- Finalize V&V and Automation Strategy

- Existing Application and Data Migration
- Phased Feature Implementation
- Implement Encryption and Security Requirements
- Continuous Integration
- Automation and Test Migration
- Pre-deployment Validation

- Deploy Application
- Post-deployment Monitoring/ Analysis
- Maintenance
- Optimization



Differentiators

- Award winning Design Studio for creative and human-centric UI/ UX design
- Frameworks for assessment for existing portfolio, prioritizing the modernization process
- Hybrid platform migration frameworks optimizing modernization cost through reuse of selected modules
- Automated cloud management and migration tools to support a seamless transition
- Dedicated data analytics and artificial intelligence infrastructure
- Expertise in the end-to-end cybersecurity solutions

Cases

On-prem to Azure cloud migration for hospital workforce and resource management system

- 30% cost savings for the hospitals deploying the software
- C#, web development with C#, Angular front-end skills and REST-based implementation
- Product backend migration to Azure cloud from on-prem server
- Frontend upgrading with Angular

Mobile application modernization

- Modernized existing Hybrid application with one code to support both Android and iOS
- Application modernization using Ionic 5 with Capacitor and Angular 9 with no impact on usability
- Delivered stringent requirements with 100% test coverage at UT level