Deloitte.

Application Modernization & Innovation
Digital transformation solutions for your enterprise

Imagine the possibility

Achieve your unique ambitions with the help of our hybrid solutions and industry experience. We quickly assess your business processes to understand how they are enabled by your legacy technology. Then we help you prioritize your initiatives by combining this insight with a vision for how digital technologies can transform your business.

Build the solution

Realize business value faster by accelerating the adoption of cloud and digital technologies while reducing risk. Our innovative approach is grounded in our extensive experience implementing complex, large-scale technology transformations powered by a combination of strategically acquired, internally cultivated modernization and migration hybrid solutions that integrate quality engineering, program management, and cyber.

Run with confidence

Realize ongoing benefits from our partnership. We don't just operate enterprise technology; we collaborate with you to enable continuous digital transformation.

Deloitte's innovative approach: Hybrid solutions
What sets Deloitte apart is our people—their breadth of industry insight and technical skills—combined with our engineering acumen, Deloitte IP, and ecosystem technologies.

Capabilities

Deloitte's Application Modernization & Innovation solutions leverage the best innovative technology, people, and delivery approaches to help you dream, explore, build, and optimize your future.

Application Modernization & Migration

Accelerate the transformation of any legacy system to extend its capabilities. Using automated, proprietary modernization and migration innovations, enhance your platform ecosystem with cloud-native and digital technologies.

Program and Transformation Management

Program and project management are core to every organization's ability to deliver work. Our Program and Transformation Management (PTM) services are the source for excellence in program management across the Advise—Implement—Operate spectrum at Deloitte Consulting.

Quality Engineering

Elevate quality using our automation and artificial intelligence-driven approach that spans the full spectrum of quality assurance services, including advisory, execution, and a testing-as-a-service managed delivery model.

Impact

Premier US health services life sciences company

Increased analytical and AI capabilities and provided consistent resource scalability to manage M&A IT integration activities.

Efficiency

25%

Faster delivery, reducing ramp-up times on projects.

Value

50%

Savings in cost over previous staffing and procurement methods.

Fortune 50 managed care organization

Defined a roadmap to rationalize six platforms into a single cloud-based platform and automated business rules extraction.

Efficiency

6X faster

Faster delivery using our automated rules extraction, compared with manual approach.

Quality

100%

Extraction of logic embedded in the code, compared to 85% with manual approach.

Large US health care system

Strategically implemented a shift-left testing approach and parallel execution capability to significantly accelerate testing. Increased speed to market by resolving defects earlier in the development process.

Efficiency

3,000+

Test scripts automated over six months, utilizing GenAI-enabled NLP capability.

Quality

20%

Effort saved from cross-platform testing and comparisons.

Contact us

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Application Modernization & Migration (AMM)

Your biggest asset may be hidden in your basement. Unleash the power of your legacy assets and let it rise to new heights… maybe even the cloud.

Your needs

"We want to holistically understand our legacy assets and gain insights to make sustainable decisions on the optimal path forward."

"We want to go to the cloud quickly and need a plan to securely migrate our applications from our on-premises data center."

"The heart of our business is in our core technology, but now it's struggling to meet ever-evolving business requirements and keep pace with new regulations."

Our solutions

MODERNIZE

- **Discovery** – Know your black box.
- **Business case and roadmap** – Plan the best modernization ROI.
- **Business rules extraction and AI-enabled documentation** – Talk business with your tech.
- **Tech-led 1:1 transformation** – New tech, same capability. Quickly exit legacy infrastructure with a low-risk approach.
- **Modernization cockpit** – Visualize and understand modernization in real time.
- **Business-led modernization** – Use GenAI to reimagine your existing business for the future.

MIGRATE

- **Migration factory** – Plan and execute migrations at scale, leveraging hybrid solutions.
- **Decommissioning factory** – Post-migration, systematically decommission applications to reduce technical debt, costs, and cybersecurity breaches.

The technology

innoWake™

TruNorth

Contact us

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Program and Transformation Management (PTM)

Our services are uniquely positioned to help you successfully deliver large, complex programs; improve project management capabilities; and drive enterprise-level, product-led business transformation.

Your needs

"We need help setting up governance for a multiyear program."

"This is a complex and unpredictable program; we need to follow an approach that's proven to reduce risk, anticipate future needs, and accelerate delivery."

"This program needs a forward-looking data-driven mindset that predicts potential barriers and develops an alternative delivery solution."

"How can we get more effective decision-making and focus on return on investment?"

Our solutions

PROGRAM AERODYNAMICS™

Deloitte's next-generation global delivery framework is designed to create the operational conditions needed for success for the world's largest complex programs, all while reducing risk and increasing pace. Learn more here.

SUCCESSFULLY DELIVERING LARGE STRATEGIC INITIATIVES

- **Transformation Management Office** – Establish and drive major programs, successfully bringing together multiple disciplines to drive transformative outcomes.
- **Project-to-Product Transformation** – Enable organizations to create new business models with innovative products and services that respond to customer needs and markets.

ENHANCING PROJECT MANAGEMENT ORGANIZATIONS

- **PMO Optimize** – Assess PMOs across multiple dimensions to optimize capabilities and improve delivery across the entire portfolio.
- **Results Management Office (RMO)** – Evolve beyond the conventional PMO to focus on results and drive impactful outcomes for complex programs.
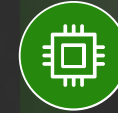
PROVIDING NEXT-GENERATION PROJECT MANAGEMENT SERVICES

- **Program Management & PMO Center of Excellence** – Provide a complete range of program and project management services, spanning intake, governance, processes, and tools, as well as providing PM capabilities to elevate program performance across the enterprise.
- **PMO Services Delivery Pools** – Engage pooled resources with deep PMO expertise in multiple disciplines and toolsets, provided on a fractional basis to support demand fluctuations and more effective working.
- **Innovative Tools & NextGen Artificial Intelligence (AI)** – Uncover real-time insights utilizing our Integrated Digital PMO, a disruptive, cloud-based technology leveraging intelligent automation and Generative AI to improve program transparency, reporting efficiency, and communication channels between teams to enhance synergies and accelerate business growth.

The technology

Integrated Digital PMO

Digital Maturity Diagnostic

Analytics Digital Accelerator

JIRA Align

Contact us

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Quality Engineering (QE)

A full spectrum of quality assurance and testing services, solutions, and assets that maximize systems and application quality while accelerating software speed to market.

Your needs

"We are currently dealing with budget constraints and need to find ways to save money within our testing department."

"We're aware that using generative AI could help lessen the testing workload in our QE organization, but we're not sure how to get started with it."

"We're diving into an exciting digital transformation journey with an ambitious timeline and want to make sure it thoroughly meets our business needs."

Our solutions

QE ADVISORY AND TRANSFORMATION (QE A&T)

- **Evaluation and transformation:** Provide advisory solutions to assess the QE organization's current state, identify areas for improvement, and implement enhancements.

- **GenAI-based solutions and methodologies:** Guide customers on identifying use cases where GenAI capabilities can transform quality engineering and drive efficiencies in business and IT operations.

- **Metric-driven:** Implement leading indicators to enable transparency in your organization's quality engineering practices.

INTELLIGENT QE (IQE)

- **Automated test planning and execution:** Deliver specialized solutions for test planning and execution leveraging next-generation automation, cloud, performance, chaos, and data testing across custom-developed and packaged applications, elevating product quality to new levels.

- **Optimize QE delivery:** Expertly fine-tune QE processes to accelerate project and product delivery, enabled by GenAI.

DIGITAL AND ENTERPRISE (D&E) QE

- **Package-centric testing solutions:** Specialize in testing a wide range of applications including mobile, digital, Oracle, Salesforce, SAP, and Workday with our ready-to-go automation frameworks.

- **Industry testing frameworks:** Establish meticulously curated test scenarios and cutting-edge automation frameworks for mobile and device testing.

Our tools

Digital Tester

- TalkQE™

- **Cognitive Functional Test Automation (COFTA)**

- **Transaction Validation at Scale (TRAVIS)**

- **Machine Learning Test Engine (MLTE)**

Contact us

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Application Modernization & Innovation (AMI) hybrid solutions
Product engineering solutions enable your digital transformation

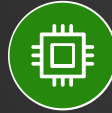| Application Modernization & Migration (AMM) | Program and Transformation Management (PTM) | Quality Engineering (QE) |

Integrated Digital PMO
A collaborative project management platform that allows robust customization, tailored alerting, and easy sharing with your entire project team

Digital Maturity Diagnostic
A high-level assessment survey aimed at quickly understanding digital awareness and maturity of a finance organization

Analytics Digital Accelerator
Provides the cloud technology to rapidly stand up a high-volume data analytics and visualization platform, to deliver and embed operational insights

JIRA Align
A centrally hosted and preconfigured platform with leading agile practices, including built-in plug-ins to support key agile processes and capabilities

innoWake™
A proprietary toolset that fully automates transformation, retaining the value of legacy systems and modernizing them so companies can serve customers in new ways

TruNorth
A customizable transformation platform that centralizes data for better planning and execution

Digital Tester
A GenAI-powered autonomous tester that will complement human testers by providing automated and independent execution of testing activities throughout the testing life cycle

TalkQE™
Accelerate end-to-end test automation and reporting across all phases of the life cycle

Cognitive Functional Test Automation (COFTA)
AI-enabled solution complements functional testing by converting test cases written in plain English to automated test scripts

Transaction Validation at Scale (TRAVIS)
Eliminate traditional test data management practices using AI models to automate preparation of deterministic test datasets

Machine Learning Test Engine (MLTE)
Transform testing from being requirement-focused to customer-focused using AI

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www.deloitte.com/us/ami