



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 and powered by a combination of strategically acquired and 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 Application Modernization & Innovation solutions leverage the best of innovative technology, people, and delivery approaches to help you dream, explore, build, and optimize your future.

Service Delivery & Business Design

Put human experience at the center of technology transformation with business process engineering and an outcome-focused approach to handling the complexity of large-scale changes through program and transformation management solutions.

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.

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 road map 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 with 85% with manual approach

Global tech company

Enabled a global tech company to transform its cloud business using quality engineering strategy and practices

Performance

200%

Improvement of configure-price-quote (CPQ) product performance

Quality

40%

Improvement in data quality of 8.6 million accounts

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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

ASSESS

- **Application and infrastructure blueprints** – Understand any legacy environment quickly
- **Business rules extraction** – Unlock the current capabilities of your code
- **Application rationalization** – Uncover valuable business transformation opportunities
- **Cloud suitability and TCO** – Determine the optimal path for each application; compare total cost of ownership across alternative environments
- **Modernization road map** – Design a journey for your unique needs

MIGRATE

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

MODERNIZE

- **Any to any language modernization** – Refactor languages to seamlessly integrate them
- **Microservices and cloud-native modernization** – Cut monolithic legacy technology into services and take advantage of cloud-native capabilities
- **Tailored solutions** – Accelerate modernization with prebuilt solutions customized to the unique needs of your business

The technology



innoWake



ATADATA™



Cloud
Workbench



Deloitte
OpenCloud

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Service Delivery & Business Design (SDBD)

Business Process Engineering puts business value and human experience at the center of technology transformation, while Program and Transformation Management efficiently addresses the complexities associated with large-scale changes.

Your needs

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

"We've selected a solution to address our process problem, but we need support defining, documenting, validating, and managing the solution requirements."

"Our organization is struggling with inefficiencies in our process design, and we need help diagnosing the source and developing potential solutions."

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

Our solutions

BUSINESS PROCESS ENGINEERING

- **Business process optimization** – Industry experience and application of emergent tech (i.e., automation) enable better use of available resources, providing a more streamlined platform for your workforce to carry out their responsibilities
- **Rapid requirements engineering** – Structured approaches and deep software and systems engineering experience enable accelerated development and implementation of the right solution for your organization's challenge
- **Enterprise analysis and functional design** – Well-defined business analytics methodologies and deep industry knowledge enable structured analysis and well-thought-out designs addressing the business and technical challenges at hand

PROGRAM AND TRANSFORMATION MANAGEMENT

- **PM as-a-service** – A complete range of project management services, including assessments, governance, tools, and people delivery, to improve delivery capabilities and performance for project teams across the enterprise
- **Results management office (RMO)** – Evolve beyond conventional PMO to focus on results and drive impactful outcomes for complex programs
- **PM Optimize** – Helping our clients improve their internal project management capabilities through a current-state maturity assessment, leading to a future-state vision and road map with detailed recommendations

The technology



CodeAMP

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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 facing budget pressures and have a mandate to drive savings within our testing organization."

"We rely on manual testing, with inconsistent use of methods, tools, and processes across the organization, resulting in significant overhead and poor quality."

"We are undertaking a major enterprise or digital transformation with an aggressive schedule and want to thoroughly test that it meets our business needs."

Our solutions

QE ADVISORY AND TRANSFORMATION (QE A&T)

- Advisory solutions to **assess and transform** QE organizations into efficient delivery models providing **core** and **flex capacity** with innovative solutions to **bring down cost of delivery** and **improve quality** driven by a robust set of KPIs

INTELLIGENT QE (IQE)

- Integrate the power of human talent with **Digital Testers** enabled by intelligent automation with Quality engineers experienced across custom development, Cloud and analytics to **elevate test planning and execution quality** and **expedite time to market**

DIGITAL AND ENTERPRISE QE (D&E QE)

- Quality engineers experienced in **Digital and Enterprise Package technologies** with testing solutions tailored for **all leading packages** and embedded into **Agile and DevSecOps** pipelines for continuous **end-to-end** testing of the business processes before go-live

The technology



TalkQE™



Cognitive Functional Test Automation (COFTA)



Test Data in a Box (TDiB)



QESense

Digital tester

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Application Modernization & Innovation (AMI) hybrid solutions

Product engineering solutions enable your digital transformation

Application Modernization & Migration (AMM)

Service Delivery & Business Design (SDBD)

Quality Engineering (QE)

innoWake™

Proprietary toolset fully automates transformation, retaining the value of legacy systems and modernizing them so companies can serve customers in new ways



ATADATA™

Cloud management and automation; rapidly and efficiently plan, build, and operate innovative cloud solutions using a single console; scalable for any combination of on-premises and cloud environments



Deloitte OpenCloud

Bundled turnkey services, including third-party tools, configurations, and scripts, to accelerate the digital core transformation



Cloud Workbench

Rapidly assess cloud-readiness and evaluate the differences in total cost of ownership across potential cloud environments



CodeAMP

End-to-end support of the SDLC bringing automation to business process engineering and digital PMO



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



Test Data in a Box (TDiB)

Eliminate traditional test data management practices using AI models to automate preparation of deterministic test data sets



QESense

Transform testing from being requirement-focused to customer-focused using AI

Digital tester



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