The Shortest, Safest Route from Mainframe to the Cloud

Reduce risks, costs, and duration of mainframe-to-cloud migrations with Astadia's FastTrack Factory

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An Amdocs Company

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Large enterprises have traditionally depended on the strength and performance of mainframe systems. But managing these platforms has become increasingly difficult in recent years due to skyrocketing costs, an acute shortage in mainframe skills, and technical integration challenges. At Astadia, an Amdocs company, we specialize in modernizing and migrating these critical backbone systems to the cloud.

We offer the world's most comprehensive, integrated automation toolset for code conversion, database migration, testing, and validation. We call this the Astadia FastTrack Factory, and it's revolutionizing mainframe modernization.
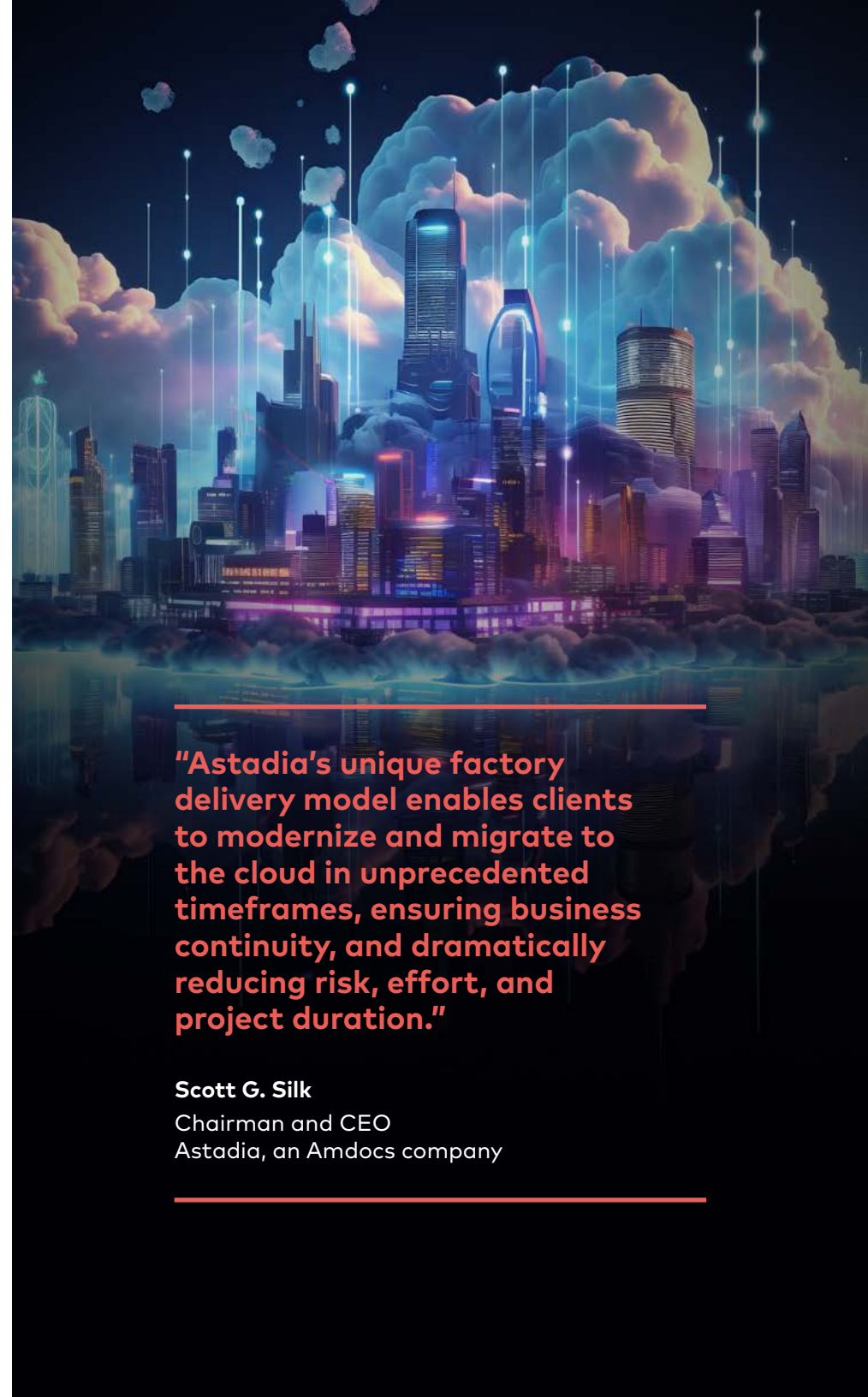
The Industrialization of Mainframe Migration

The FastTrack Factory accelerates and standardizes a successful mainframe migration project by automating the entire process:

- Code transformation, data conversion and database migration
- Testing of online and batch applications
- Workflow automation

Achieve Rapid Results

Fully automated code and database migration allows you to focus on strategic decisions, without getting bogged down in manual execution. The Astadia FastTrack Factory reduces the duration of a typical migration project by **as much as 90%**.

"**Astadia's unique factory delivery model enables clients to modernize and migrate to the cloud in unprecedented timeframes, ensuring business continuity, and dramatically reducing risk, effort, and project duration.**"

Scott G. Silk
Chairman and CEO
Astadia, an Amdocs company

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Set Yourself Up for Success

Most migration projects involve trade-offs between risk and speed of execution; or between scope and risk; or among other combination of factors. These may limit implementation options, delay project completion, or increase the chances for serious issues or even project failure.

With the Astadia FastTrack Factory, fully automated testing provides complete confidence. When it's time to go live, you can expect a smooth transition.
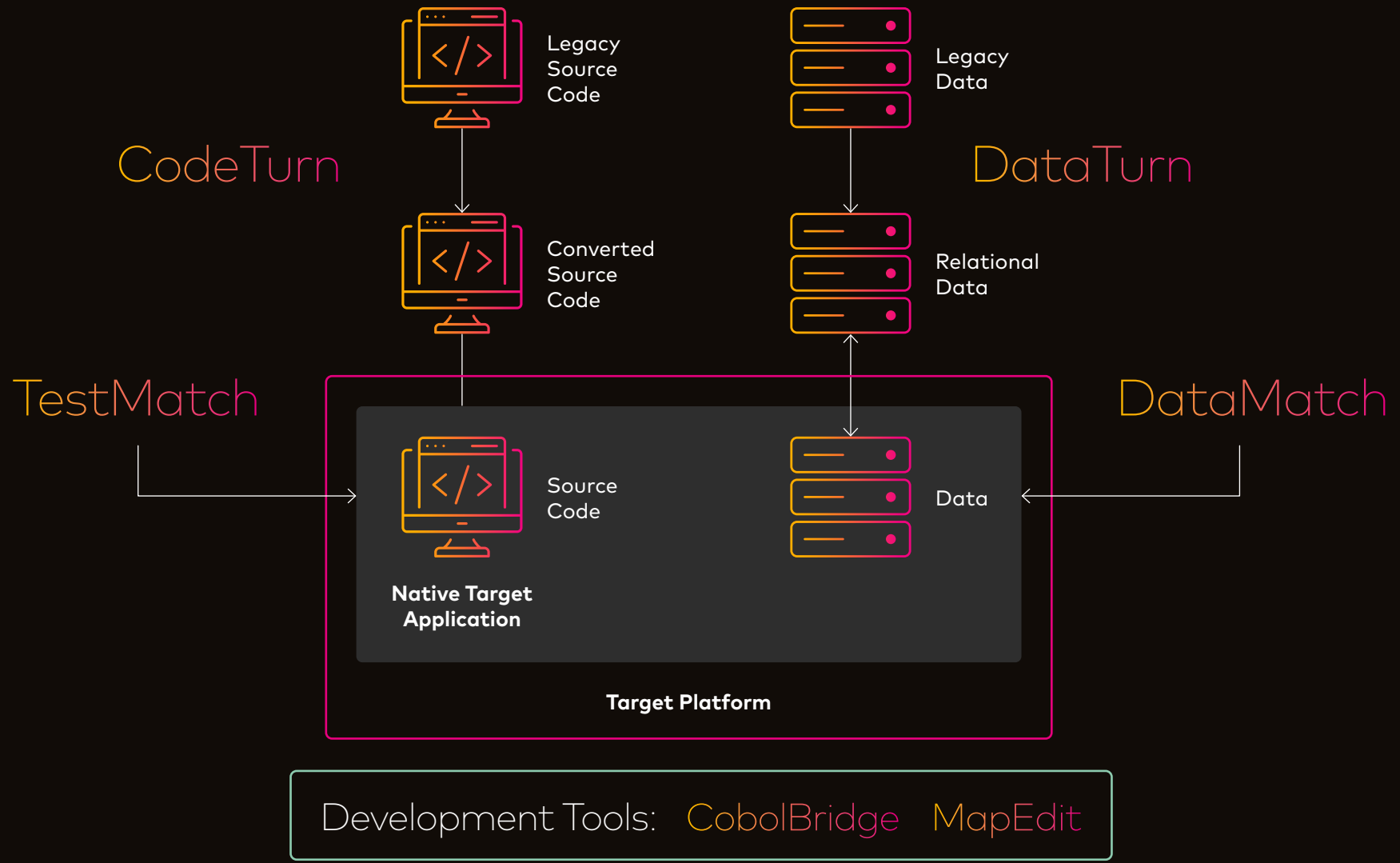
100% automation

Up to 90% project duration reduction

No business interruption

FastTrack Factory

Legacy Source Code

Legacy Data

CodeTurn

DataTurn

Converted Source Code

Relational Data

TestMatch

DataMatch

Source Code

Data

Native Target Application

Target Platform

Development Tools: CobolBridge MapEdit

A Deeper Dive into the FastTrack Factory

The FastTrack Factory consists of four main building blocks:

CodeTurn:
Automated Code Transformation

DataTurn:
Automated Data Conversion

TestMatch:
Automated Code Testing

DataMatch:
Automated Batch Testing

CodeTurn

CodeTurn automates the refactoring of legacy code into modern programming languages such as Java, C#, or others achieving automation levels of approximately 99.99%.

DataTurn

DataTurn automates the migration of data from legacy databases such as IDMS and Natural & Adabas to virtually any modern relational database, – including SQL Server, Oracle, IBM Db2, PostgreSQL.

TestMatch

TestMatch uses tracing capabilities within source IBM or Unisys platforms to record user activity, replay, compare, and flag any errors.

DataMatch

DataMatch performs a comparison of the source and target databases, and reports any discrepancies, providing fully automated support for testing batch code.

Example: Testmatch - Automated Testing

Game-Changing Technology

In terms of risk mitigation, FastTrack is a game-changer. Whereas many traditional migration projects are executed in stages in order to mitigate risk, the FastTrack Factory enables a clean cutover of both code and data to a new target system because the migrated system has been so thoroughly tested. With FastTrack, we spend most of our effort working with clients to design and map the migration process. Scope, risk, and project timelines no longer act in opposition to one another. Instead, project leaders can get the best of all worlds, – design flexibility, low risk, and rapid completion of legacy modernization initiatives.

Benefits of Mainframe Migration

Depending on the selected solution and methodology, modernizing legacy applications can lead to a 60-80%[1] reduction of operational and maintenance expenses. Some of our clients achieved **up to 90% savings in operating costs** following their digital transformation initiatives. Moreover, by refactoring mainframe applications and migrating workloads to the cloud, enterprises can solve major mainframe challenges, such as the shortage of mainframe skills, lack of agility and vertical scalability or poor integration with emerging solutions and platforms.

Migrate mainframe workloads with confidence.

60-80% cost savings

1. https://www.astadia.com/white-papers/refactoring-ibm-mainframes-to-aws

Long Term Benefits of Legacy Mainframe Modernization

Switching to Modern Platforms

Modernizing the Infrastructure

Improves Integration

Cost Reduction

Vertical Scalability

Less Dependency, More Control

Better Support & Associations

Enhances Productivity

Accomplish Compliance

Improved Enterprise Efficiency

Better Analytics & Data Access

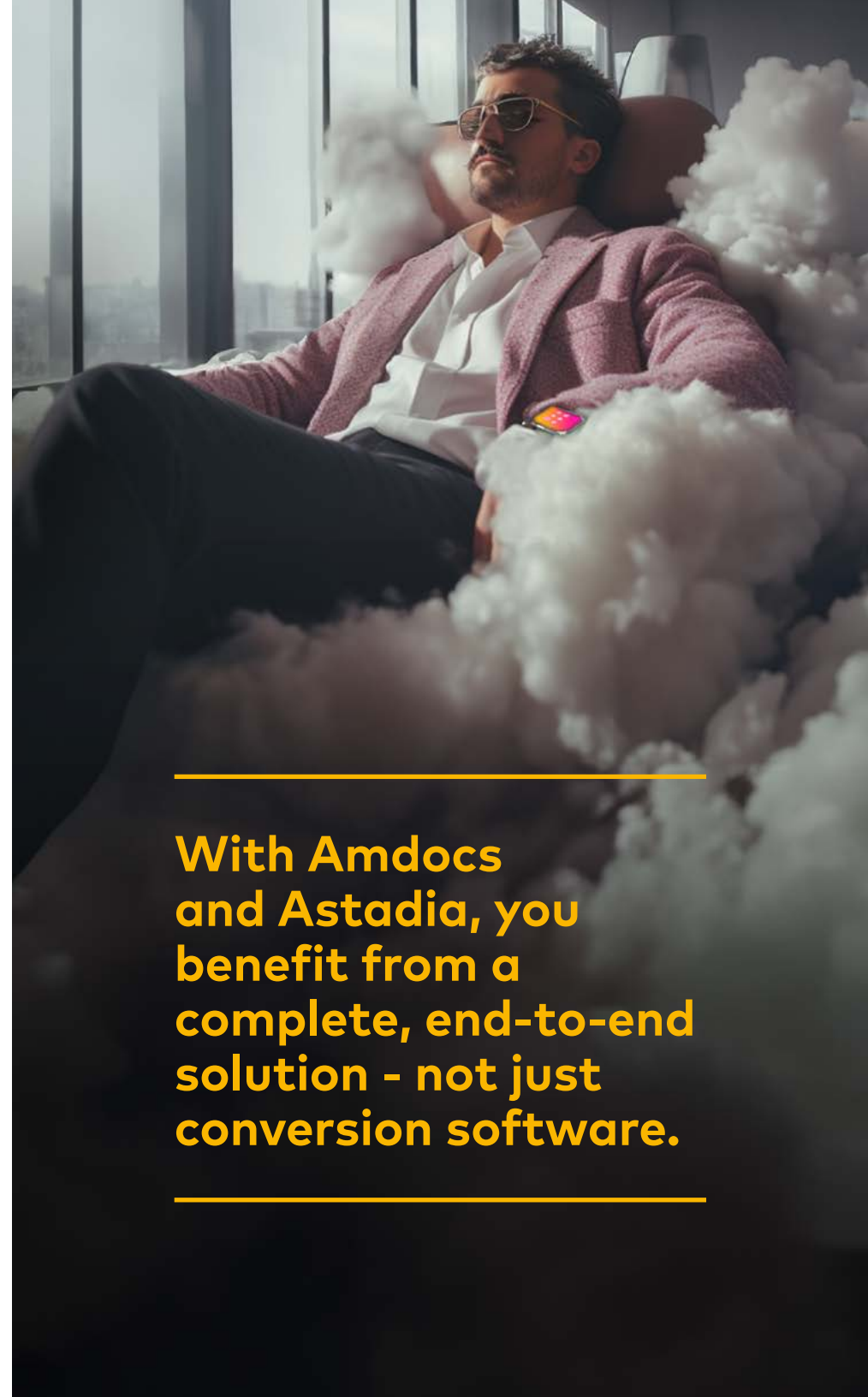Enables Innovation

Enhances Competitiveness

Reduces Time to Market

Astadia and Amdocs: A Holistic Mainframe to Cloud Solution

As a foundational part of the Amdocs Cloud division, Astadia leverages Amdocs' delivery at scale, strong product positioning, complementary AI capabilities, worldwide footprint, and additional GTM, R&D, managed services, and offshore capabilities to provide enterprises with a holistic mainframe to cloud solution.

While Astadia's FastTrack solves all mainframe critical issues, Amdocs's surrounding SI services deliver an end-to-end solution for mainframe migration through cloud engineering services, quality engineering (testing), data and analytics services, AI/ML, managed services, Prime SI services and more. Providing both the migration and the services, Amdocs and Astadia can offer one central holistic management, transparent communications, and end-to-end accountability.

With Amdocs and Astadia, you benefit from a complete, end-to-end solution - not just conversion software.

Success Stories

Customers have seen a 60-80% reduction in costs, a 60% increase in staff productivity and a 20% rise in resilience. They also reported increased business agility, improvements in integration, and the ability to access new capabilities.

Get in touch

For more information about the Astadia FastTrack and mainframe to cloud migration, contact our experts: **cloud@amdocs.com**.

About Astadia

Astadia, an Amdocs company, is the largest and fastest growing specialized mainframe to cloud migration and modernization firm. We move IBM and Unisys mainframe applications and databases to distributed and cloud platforms, as well as modernizing on the mainframe.

For nearly three decades, the experts at Astadia have successfully performed mainframe modernization projects for government agencies and major enterprises throughout the world.

- 300+ total mainframe projects
- Billions of lines of COBOL transformed
- Unparalleled access to mainframe modernization subject matter experts, architects, developers, engineers and project managers
- Industry-leading migration success rates that few can come close to matching

Amdocs helps those who build the future to make it amazing. With our market-leading portfolio of software products and services, we unlock our customers' innovative potential, empowering them to provide next-generation communication and media experiences for both the individual end user and large enterprise customers. Our approximately 30,000 employees around the globe are here to accelerate service providers' migration to the cloud, enable them to differentiate in the 5G era, and digitalize and automate their operations.

Listed on the NASDAQ Global Select Market, Amdocs had revenue of $4.89 billion in fiscal 2023.

For more information, visit Amdocs at www.amdocs.com