

Agenda

- 1 Overview
- 2 IBM Rational Collaboration Lifecycle Management
- 3 Delivering the 5 ALM imperatives
- 4 Proven results

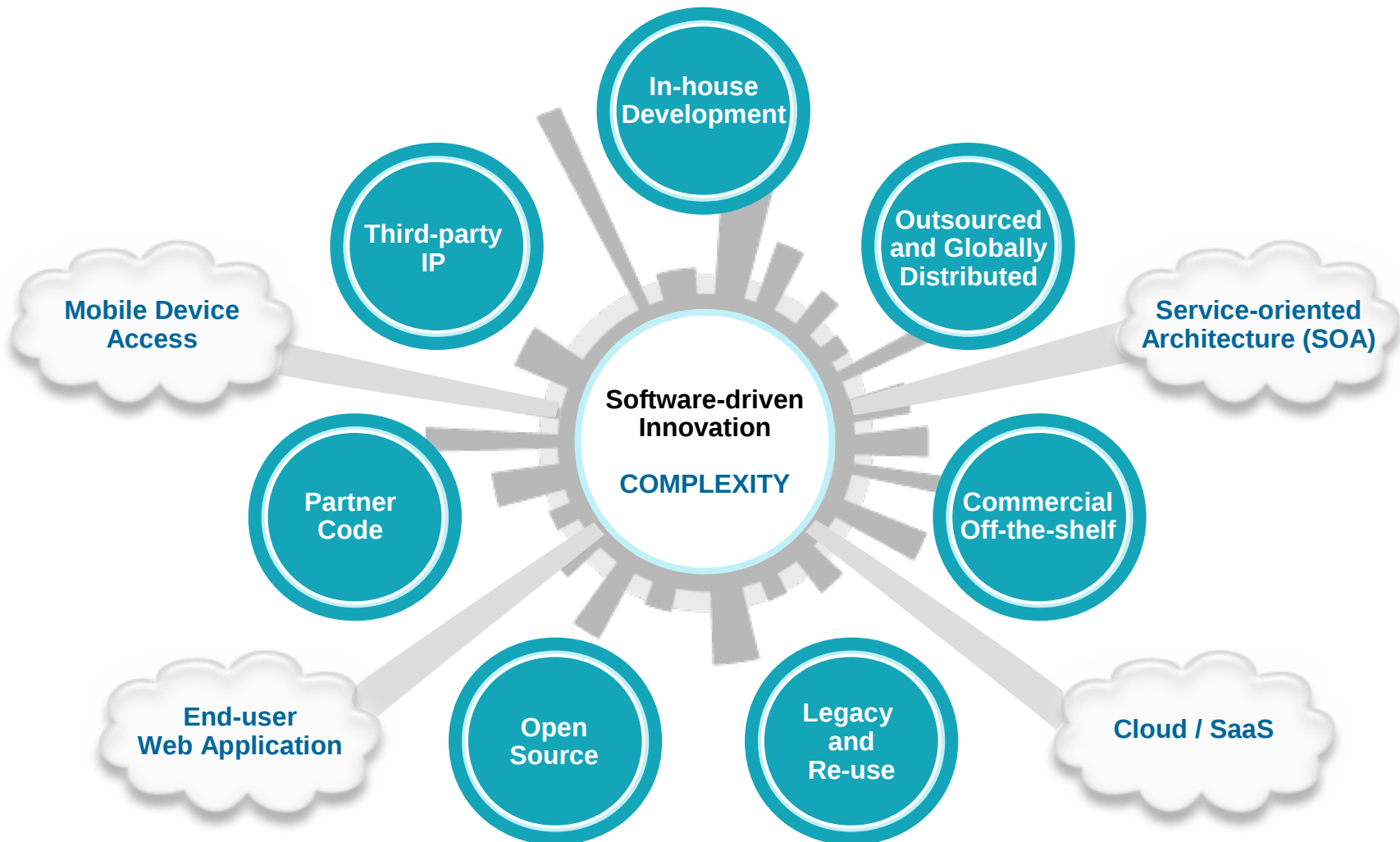
Software drives today's innovation for a smarter planet

Transforming the way we live, work, and play



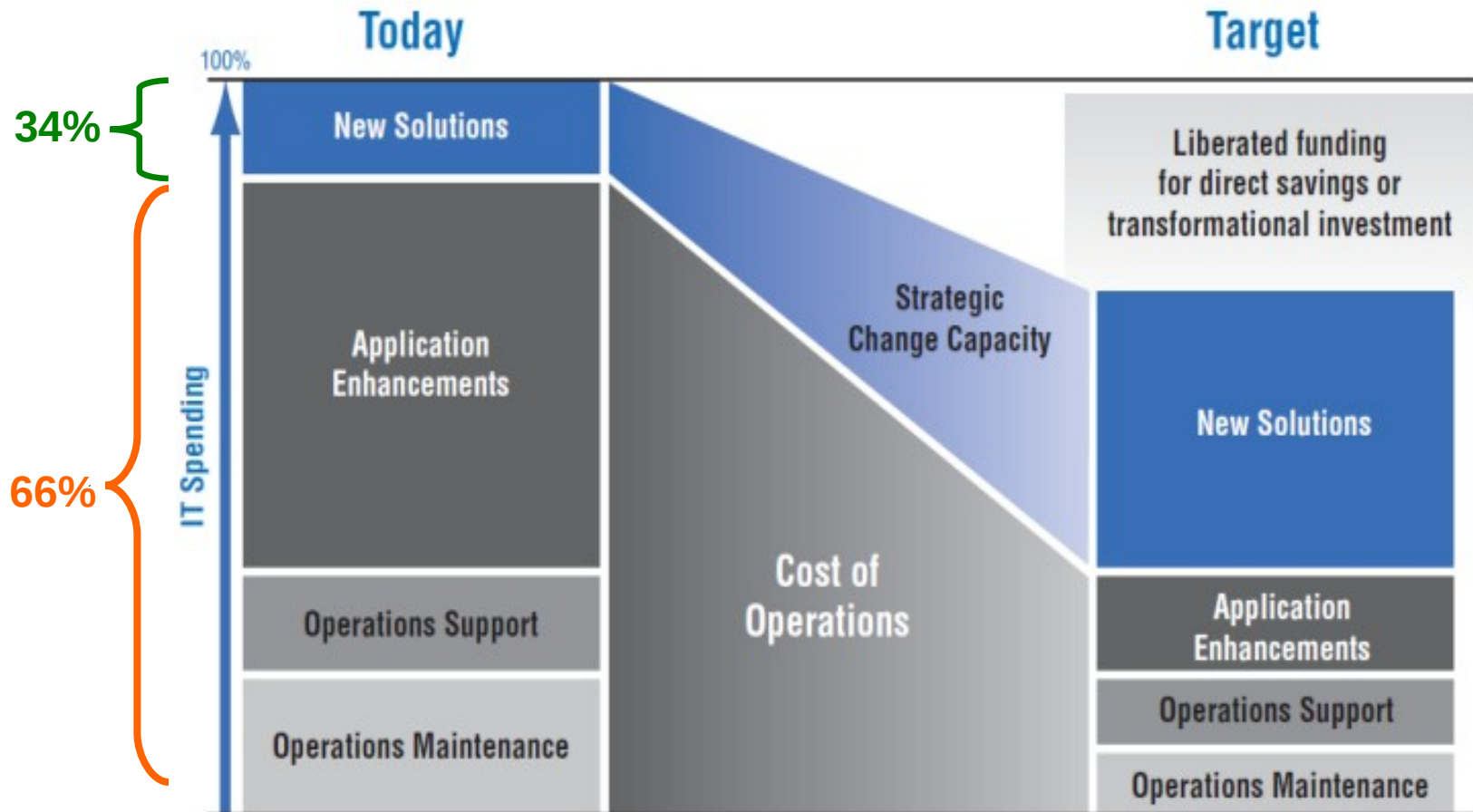
The defining challenge: Managing “systems of systems”

From back-end software to customer facing portals, systems of systems drive your relationships with customers, suppliers and business partners



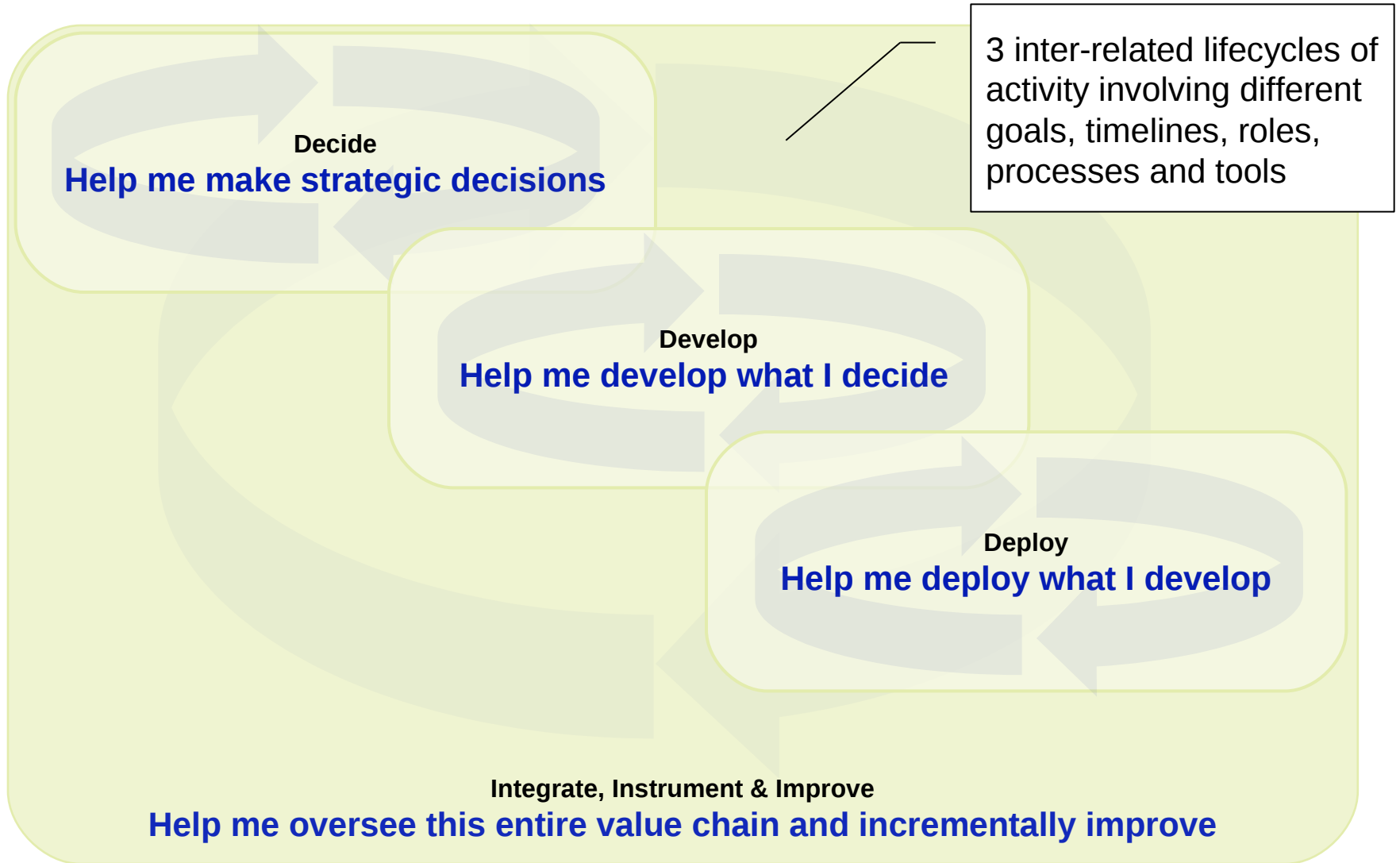
Business and IT Agility: Balancing Resources to Support Business Innovation

Balance IT investments to focus on new solutions.

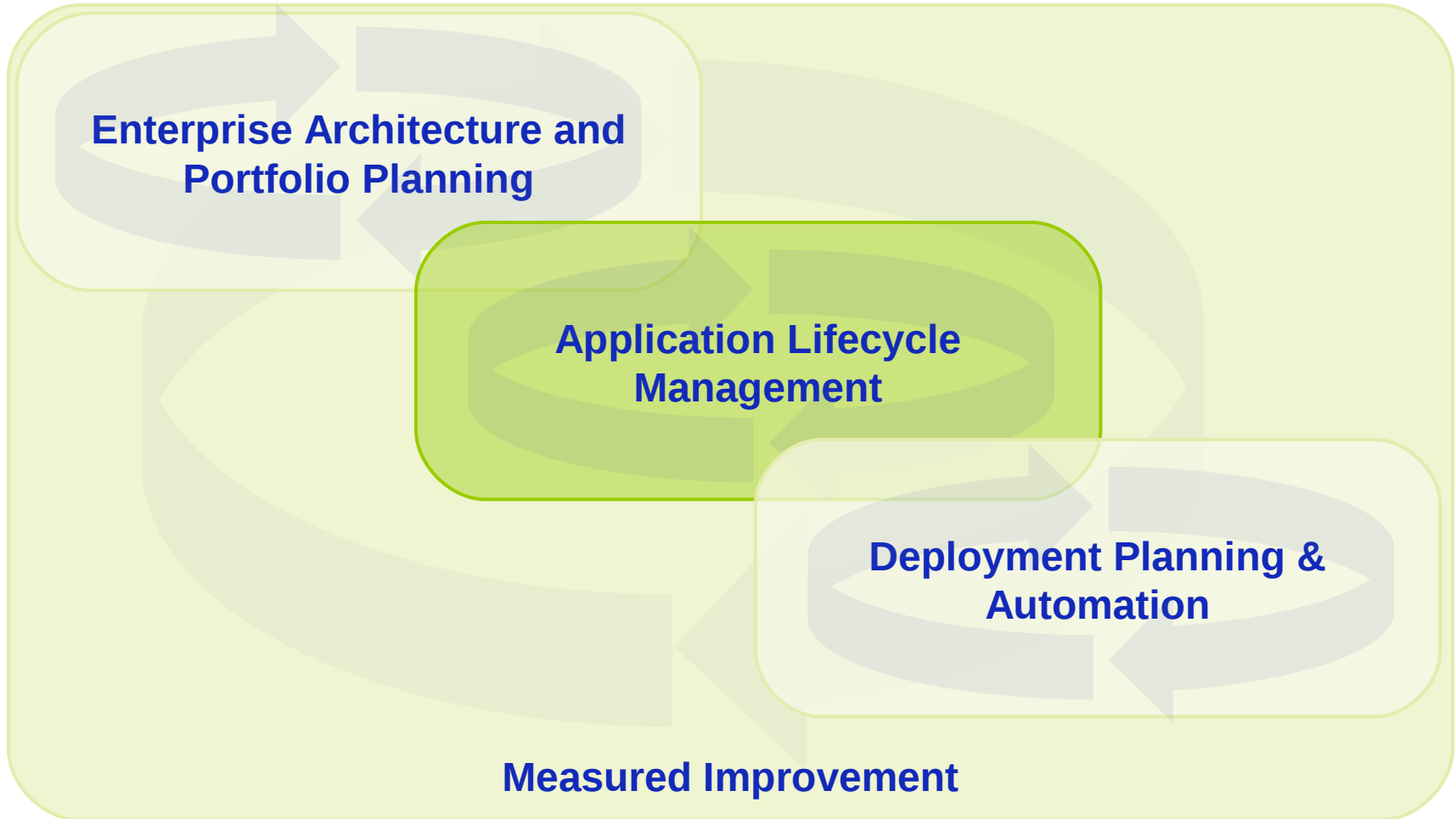


- Forrester estimates that ongoing operations and maintenance consume **66%** of IT budgets
- While new projects and software initiatives represent only **34%**

Key Software development lifecycles



Key Software development lifecycles



ALM is about connecting the disciplines

Project/Planning

- Business Drivers
- Iterations
- Sign-off
- Contract
- Risk Assess
- User Involvement

Requirements

- Use Cases
- Nonfunctional
- Sign-off
- Contract
- Risk Assess
- Threat Model
- Test Requirements

Development

- TDD
- Build Management
- Static Analysis
- BVT
- Source Management
- Pair Programming/
Code Review

Testing

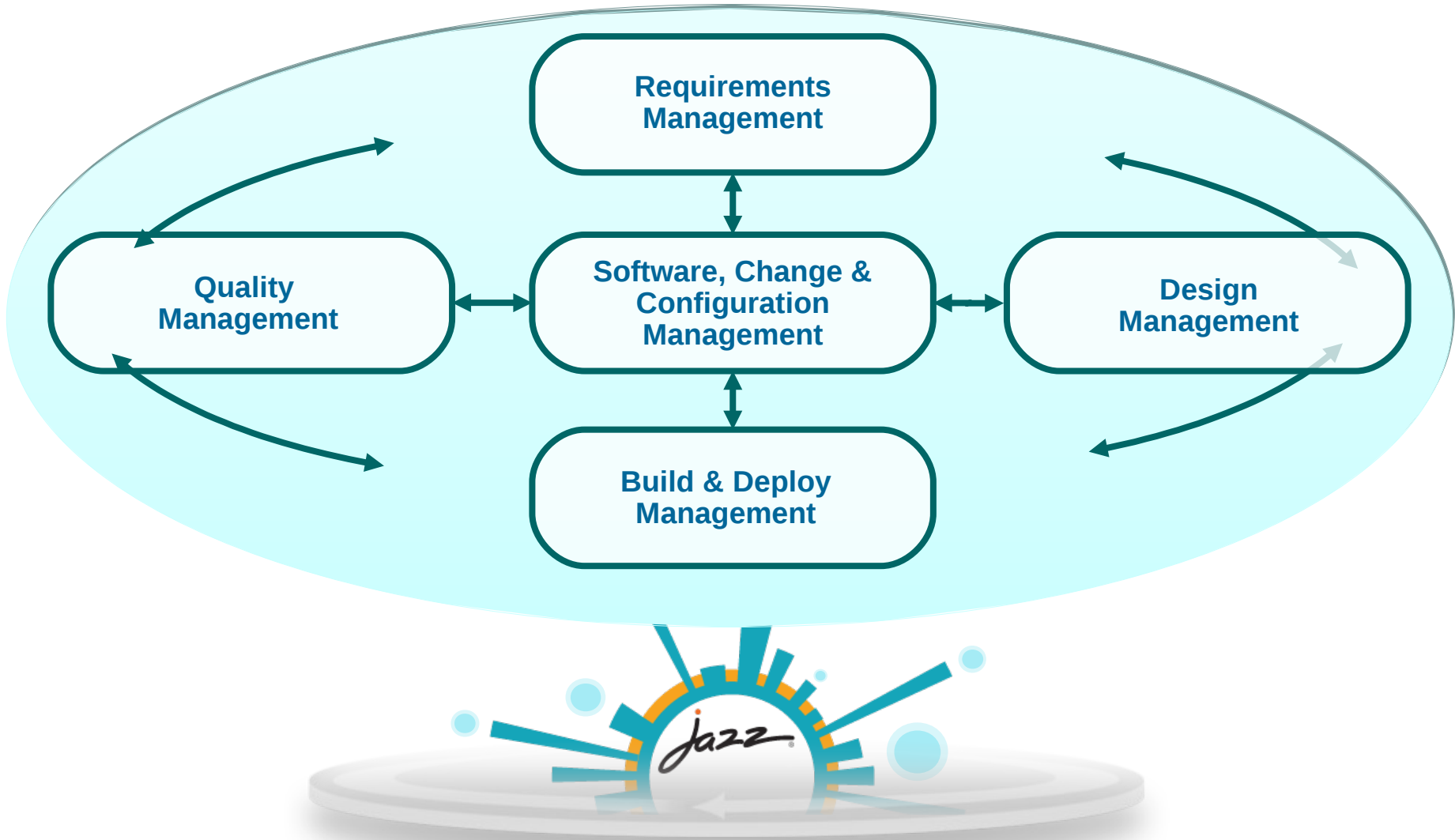
- Scenario-Driven Automation
- Exploratory Test
- User Involvement
- Contract Validation



Continuous Learning and Feedback

Rational Application Lifecycle Management (ALM)

Modular, open and extensible



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An ALM solution powered by Jazz

Rational solution for Collaborative Lifecycle Management

CREATE SOFTWARE

Real-time Planning, Lifecycle Traceability, Team Collaboration, Development Intelligence, Continuous Improvement

**Rational
Requirements
Composer**

Requirements
Management

**Rational Team
Concert**

Planning, Change,
Configuration & Build
Management

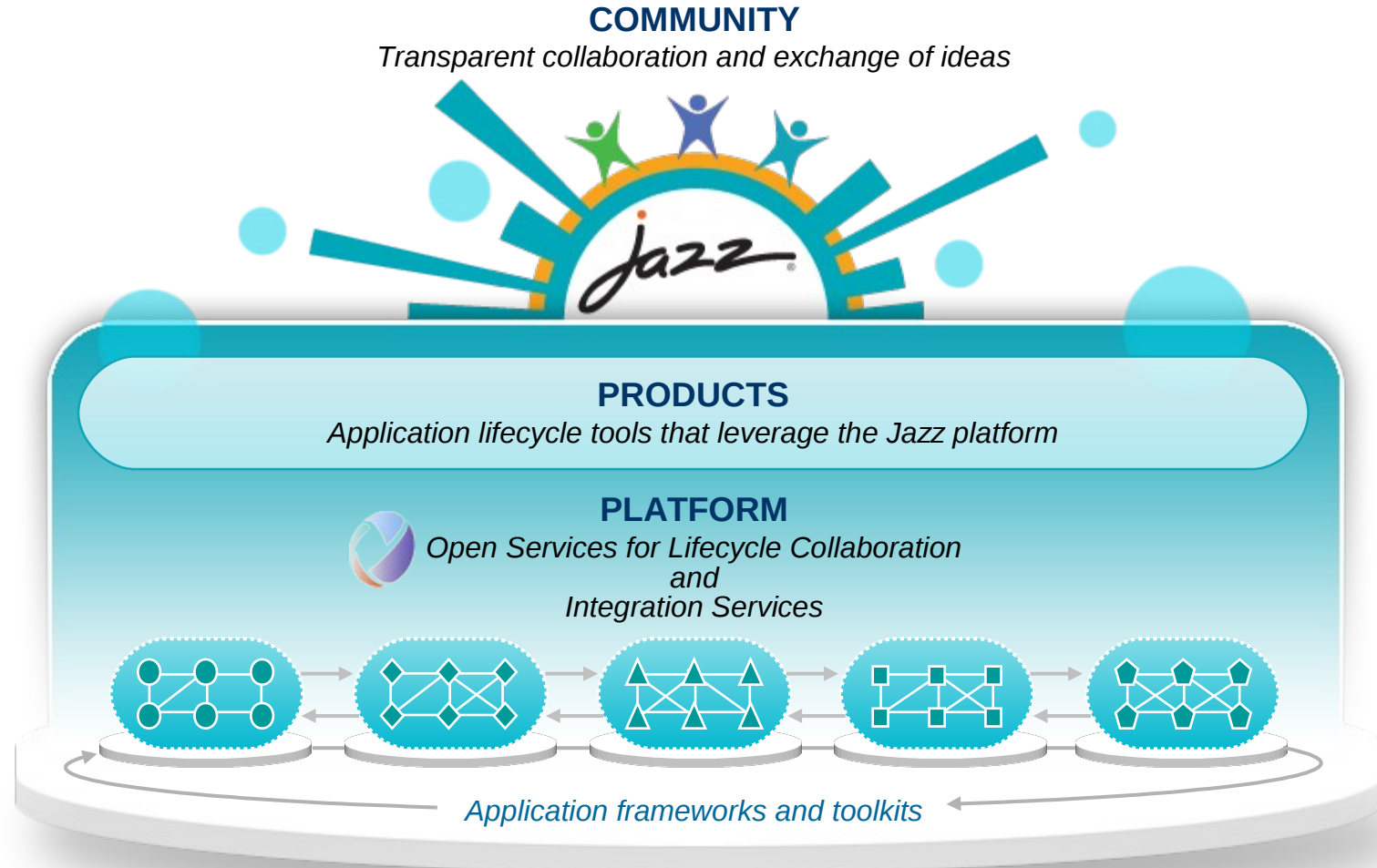
**Rational Quality
Manager**

Quality
Management



*extensions

Jazz provides open collaboration across the software and systems lifecycle



Learn more at: <https://jazz.net/about/>

Open Services for Lifecycle Collaboration (OSLC)



An initiative aimed at simplifying data linking and tool integration across the lifecycle

Open Services for Lifecycle Collaboration

Barriers to sharing resources and assets among tools

- ▶ Multiple vendors, open source projects, and in-house tools
- ▶ Private vocabularies, formats and stores
- ▶ Entanglement of tools with their data

- ▶ Community Driven – specified at **open-services.net**
- ▶ Specifications for ALM, PLM and DevOps Interoperability
- ▶ Inspired by Internet architecture
 - Loosely coupled integration with “just enough” standardization
 - Common resource formats and services
- ▶ A different approach to industry-wide proliferation

Learn more at: <http://open-services.net/>

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What is required to deliver end-to-end visibility across teams, tools and projects?



Criteria for effective lifecycle management: ALM imperatives

1. Real-time planning
2. Lifecycle traceability
3. In-Context collaboration
4. Development intelligence
5. Continuous improvement



Criteria for effective lifecycle management: ALM imperatives

1. Accelerate **time to delivery** with **Real-time Planning**
2. Improve **quality** with **Lifecycle Traceability**
3. Maximize **product value** with **In-Context Collaboration**
4. Refine **predictability** with **Development Intelligence**
5. Reduce **costs** with **Continuous Improvement**



Learn more at: <https://jazz.net/library/article/637>

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Business results

Automated status reporting
derived from evolving engineering artifacts
can **improve productivity** by

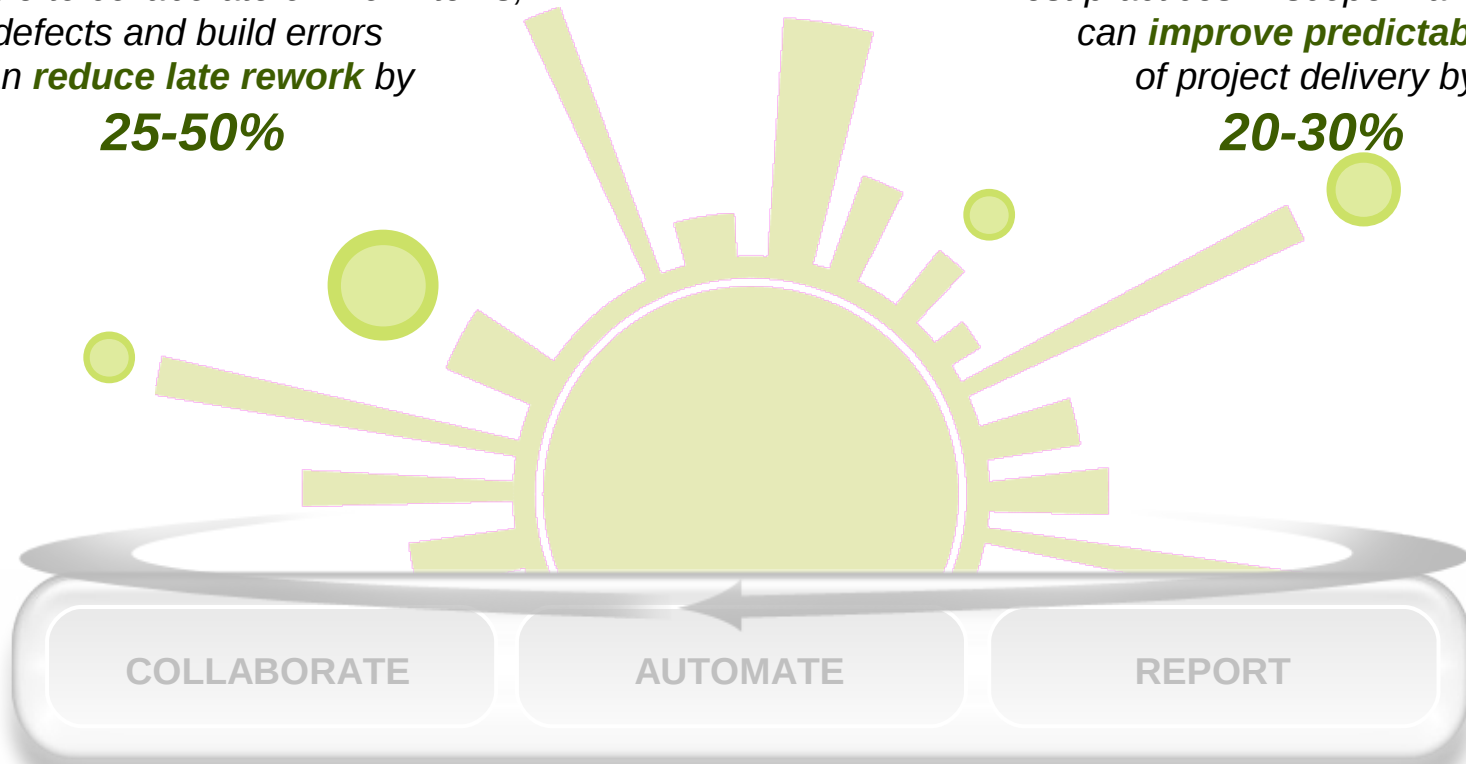
5-10%

Being able to collaborate on work items,
defects and build errors
can **reduce late rework** by

25-50%

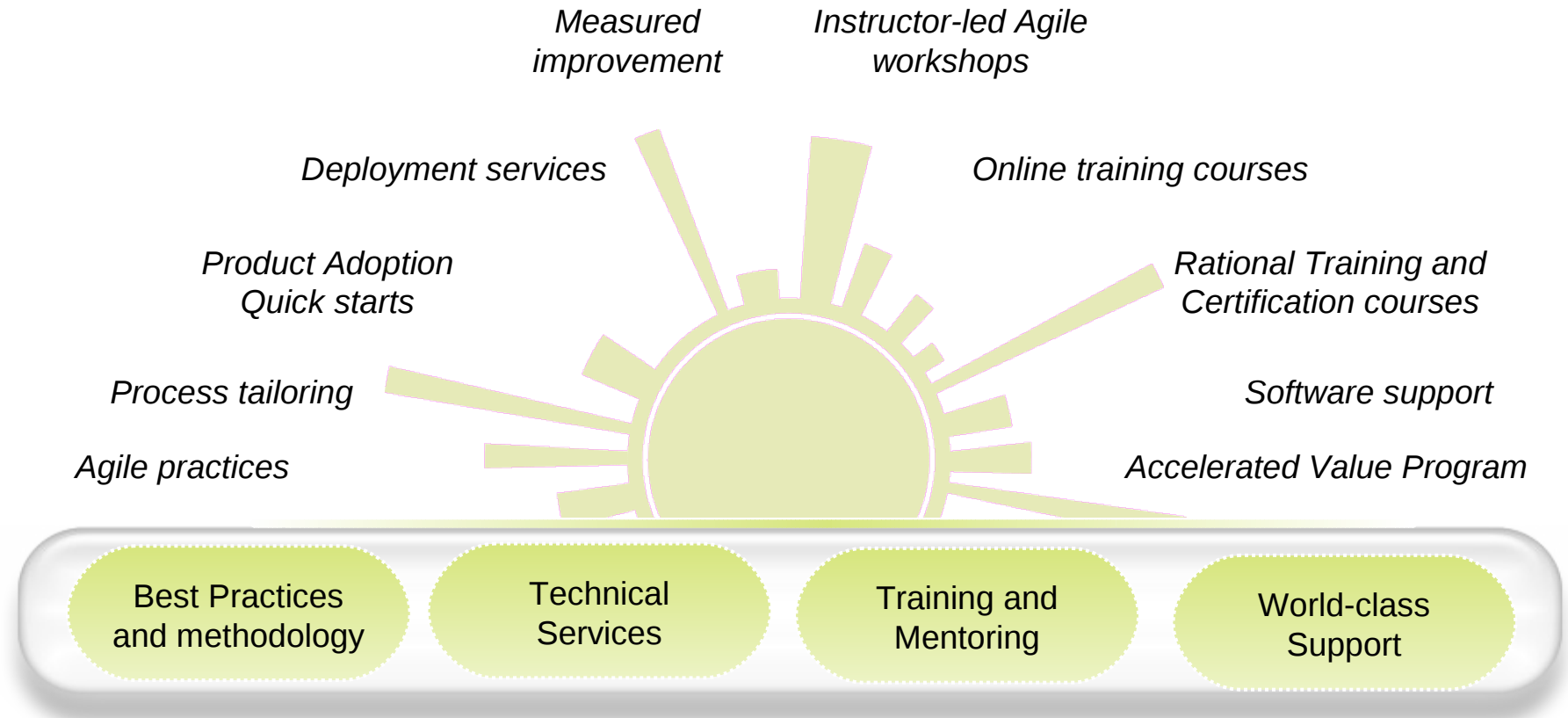
Best practices in scope management
can **improve predictability**
of project delivery by

20-30%



Source: IBM analysis based on services research.

Ensure Success with Rational Collaborative Lifecycle Management



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COMMUNITY SITE

We're building a new generation of products to make software and systems development more collaborative, productive, and enjoyable.

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Rational Team Concert 3.0
Any plan, any server, any process. It's here!

Rational Team Concert 3.0 is here!

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What's new in 3.0? [Read our blog >](#)
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[Download it now! >](#)

Raising the bar
Top rating for Rational Team Concert

Free RTC developer licenses
Rational Team Concert is now more affordable

One tool for collaboration
Bugs, source control, planning, reporting, and more

▼ 6

Jazz Team Blog

Rational Requirements Composer Beta 2a: A big step forward
By Daniel Moul Fri, 10 Dec 2010
The latest beta of Rational Requirements Composer (RRC) demonstrates significant progress in our plans to deliver requirements definition and management ... [More >](#)

What's New in Rational Team Concert 3.0: Part V – Work Item Enhancements
By Benjamin Pasero Fri, 03 Dec 2010
Rational Team Concert 3.0 is now available. Visit the RTC project page to learn more and get the highlights of ... [More >](#)

Rational Team Concert 3.0 released
By Rolf Nelson Tue, 23 Nov 2010
We are pleased to announce the availability of Rational Team Concert 3.0, and invite you to download it and enjoy ... [More >](#)

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Events

Webcast: CLM Powered by Jazz Series, Part 4: Requirements Management
18 Jan 2011 - Web

Webcast: CLM Powered by Jazz Series, Part 5: Collaborative Enterprise Development Powered by Jazz
15 Feb 2011 - Web

Suppose we did our development out on the Internet?

A transparent software delivery laboratory where you can...

- ✓ Get answers and insights directly from engineering
- ✓ Communicate with the development team
- ✓ Track the progress of builds and milestones
- ✓ Get the latest product trials and betas
- ✓ Join developers and product managers in discussion groups
- ✓ Submit defect and enhancement requests



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