

How to Remove Friction in the Software Innovation Factory

Zero Touch Integrated Continuous Delivery Ecosystem

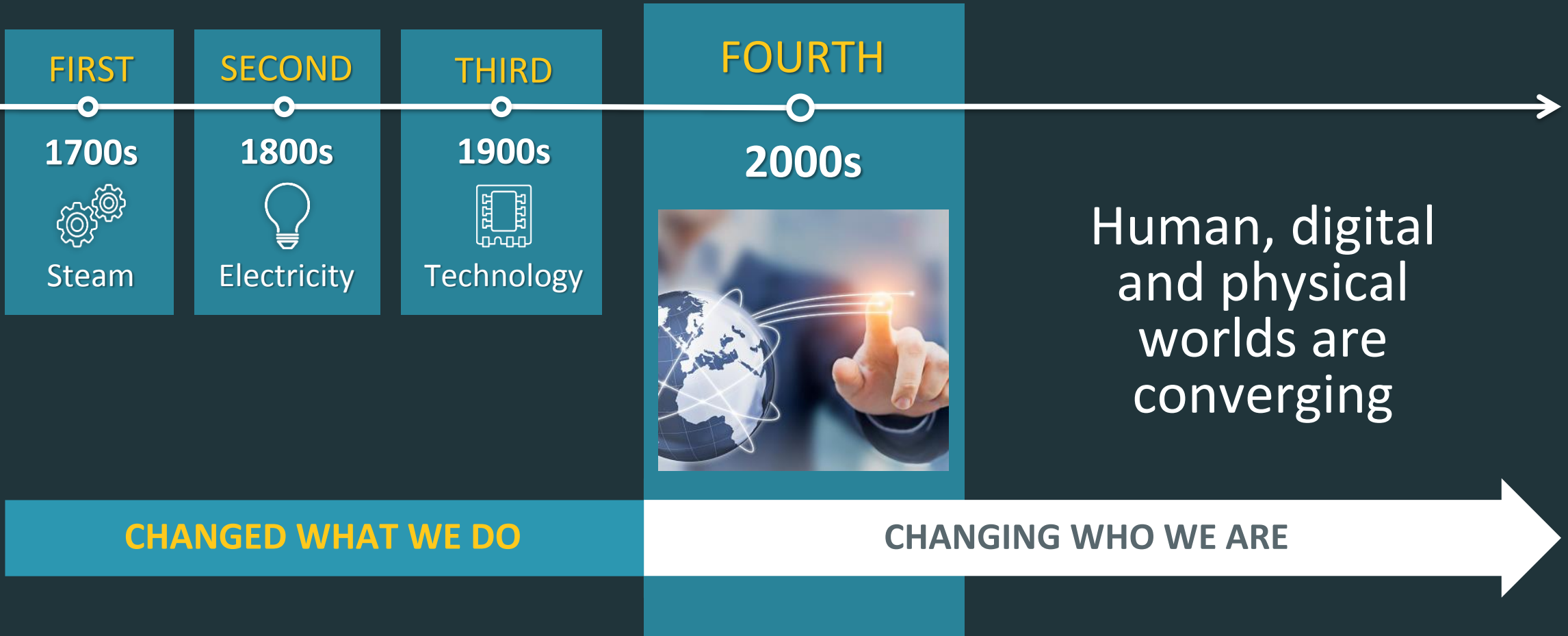
Jeff Scheaffer

General Manager & SVP

Continuous Delivery, CA Technologies



Fourth Industrial Revolution



Fourth Industrial Revolution

Every Company Must Become a Software Company

Born Digital



Of consumers research online ² **82%** **94%** Of B2B buyers research online¹

Transforming



Apps Demand Speed, Quality & Amazing Experience

VELOCITY



94%

of executives face increased pressure to release apps more quickly¹

QUALITY



2/3

of business leaders say the future of their business depends on the quality of their software²

LOWER COST



25%

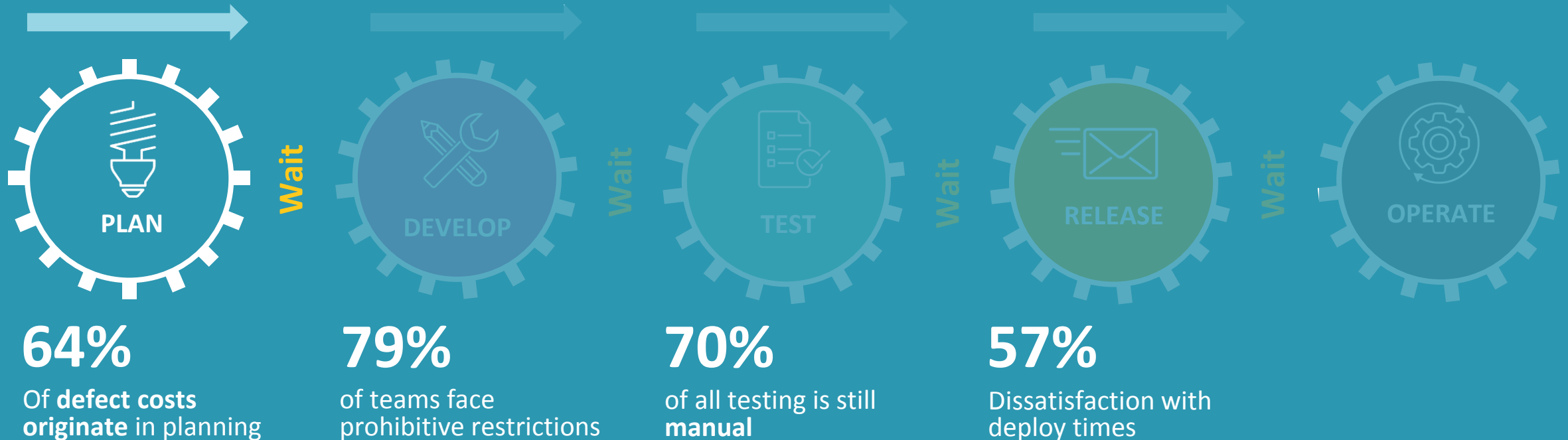
of a single application's development and operations costs is wasteful³

While Ensuring a Superior User Experience!

1. 2014 Vanson Bourne study commissioned by CA
2. "Surviving Disruption, Leading Change: Winning in the Application Economy," 2015
3. "DevOps and the Cost of Downtime" – IDC 2014

Existing Methodologies Are Not Keeping Pace

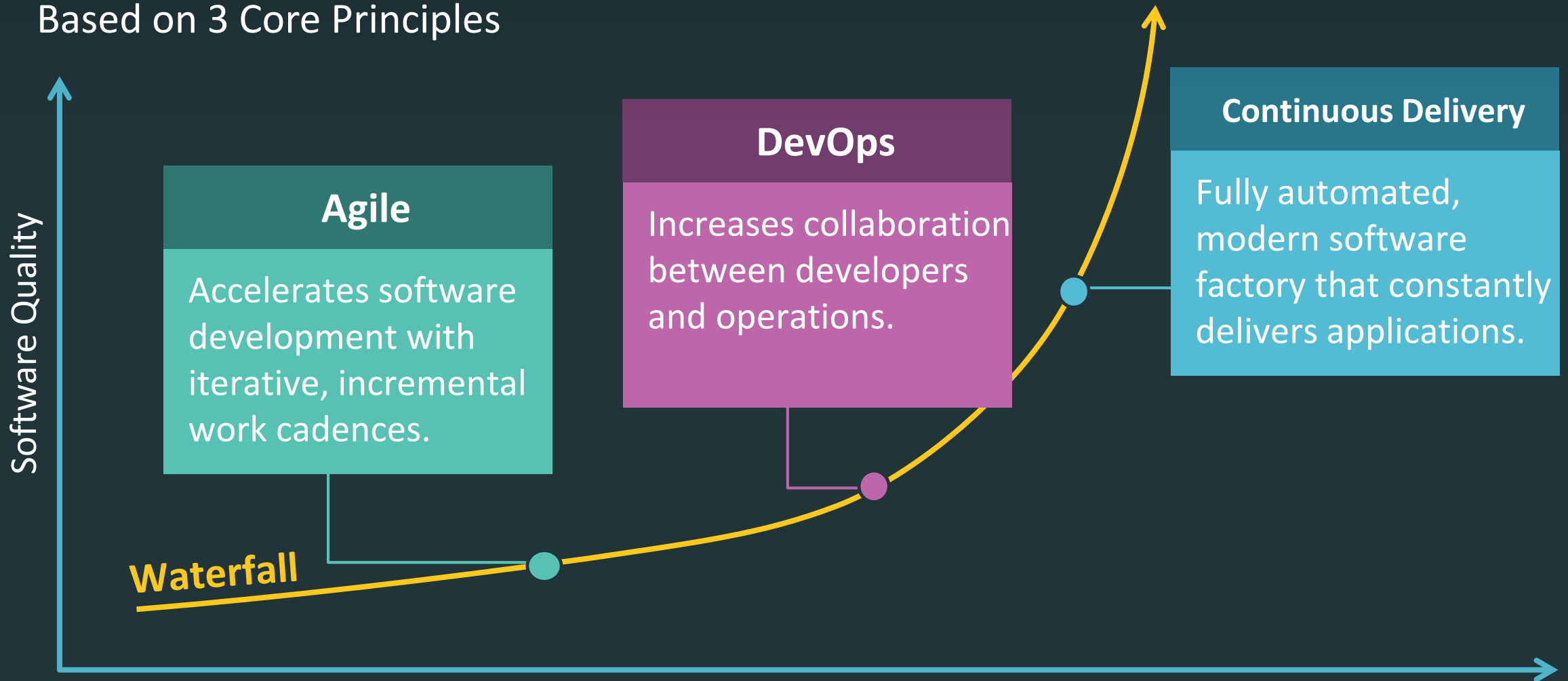
WATERFALL



One way, waterfall method causes work delays at each phase of SDLC

Companies Are Evolving to a Modern Software Factory

Based on 3 Core Principles



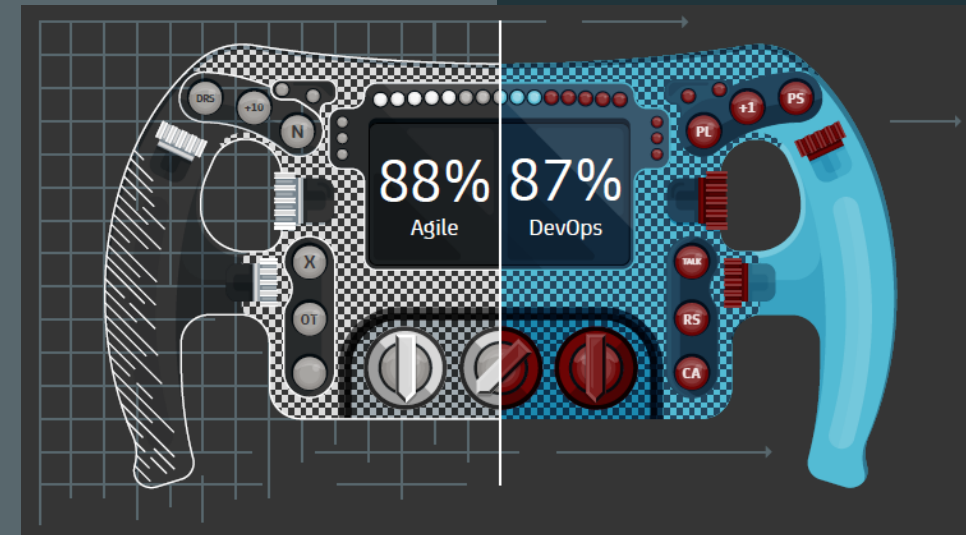
CA Has Invested Heavily in All Three Areas

Agile and DevOps: Accelerating Digital Transformation

Survey of ~600 EMEA Contacts Shows Real Results

“ACCELERATING VELOCITY & CUSTOMER VALUE WITH AGILE & DEVOPS”*

- > **76%** believe DevOps is critical to digital transformation
- > Agile – **64%** improvement in overall time-to-decision
- > DevOps – **38%** increase in overall speed-to-market
- > Adding DevOps to Agile improves new overall results by **38%**



Percentage of advanced adopters seeing improvement in customer experience

*<https://www.ca.com/us/rewrite/articles/agile/accelerating-velocity-and-customer-value-with-agile-and-devops.register.html>

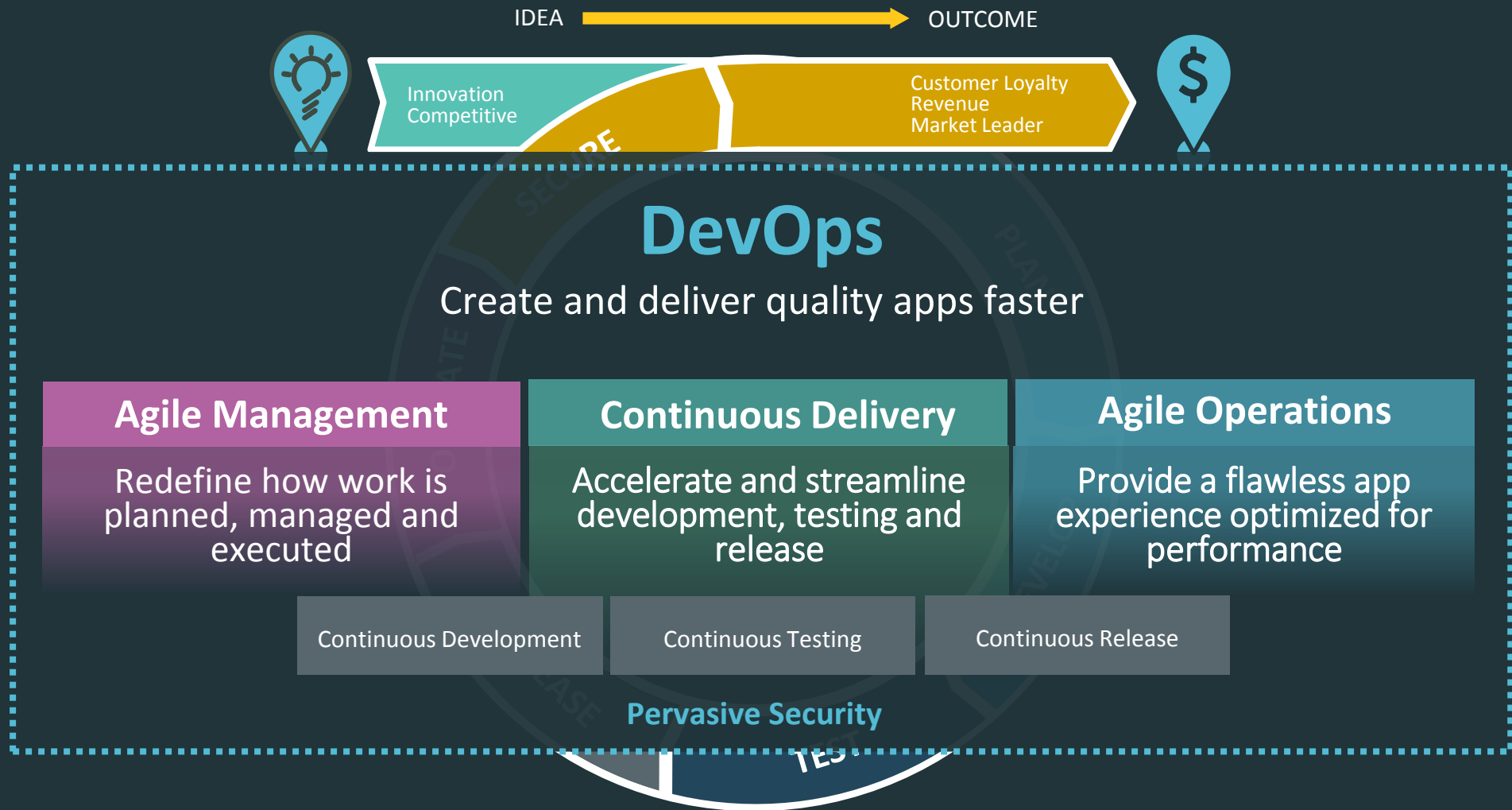
Agile and DevOps: Even Better Together for EMEA

Adding DevOps to an agile environment increases certain KPIs even further



*<https://www.ca.com/us/rewrite/articles/agile/accelerating-velocity-and-customer-value-with-agile-and-devops.register.html>

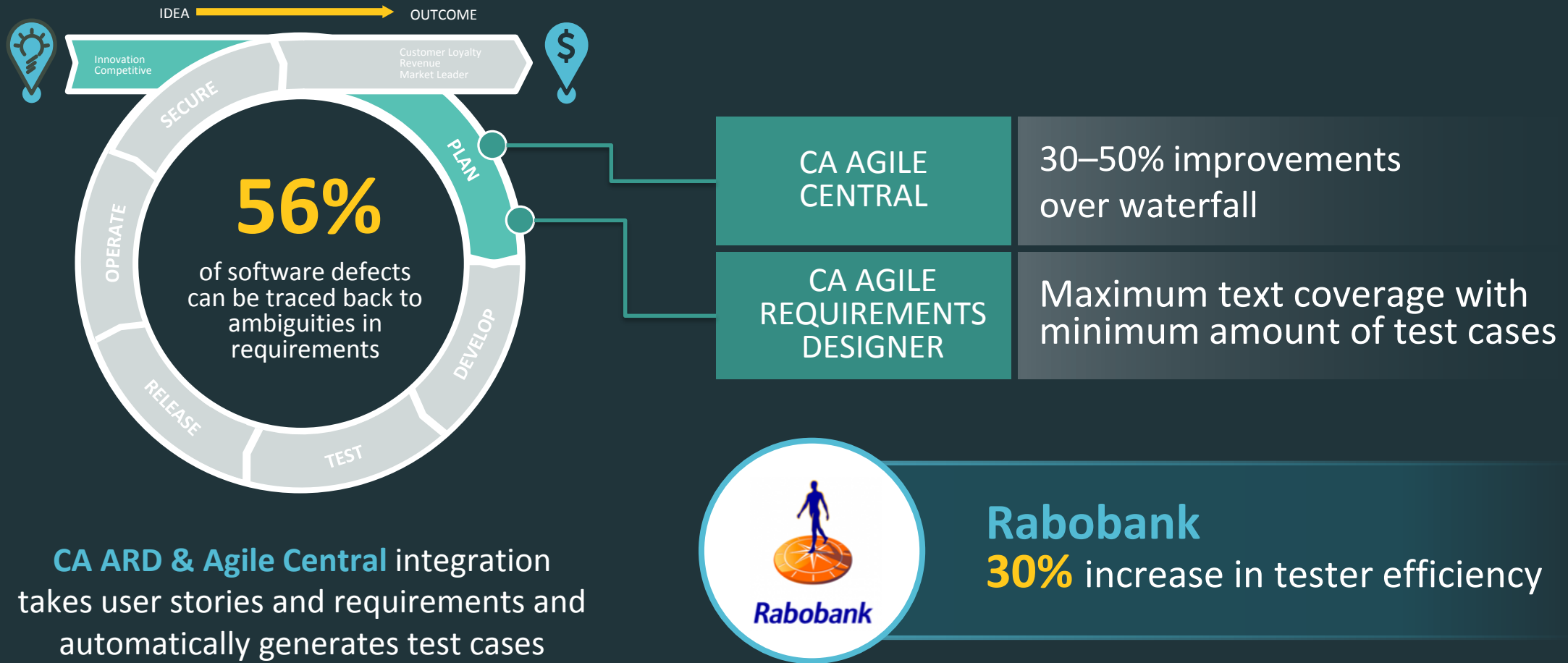
CA Accelerates the Path from Ideas to Outcomes



Speed, Quality and Lower Costs – From Mobile to Mainframe

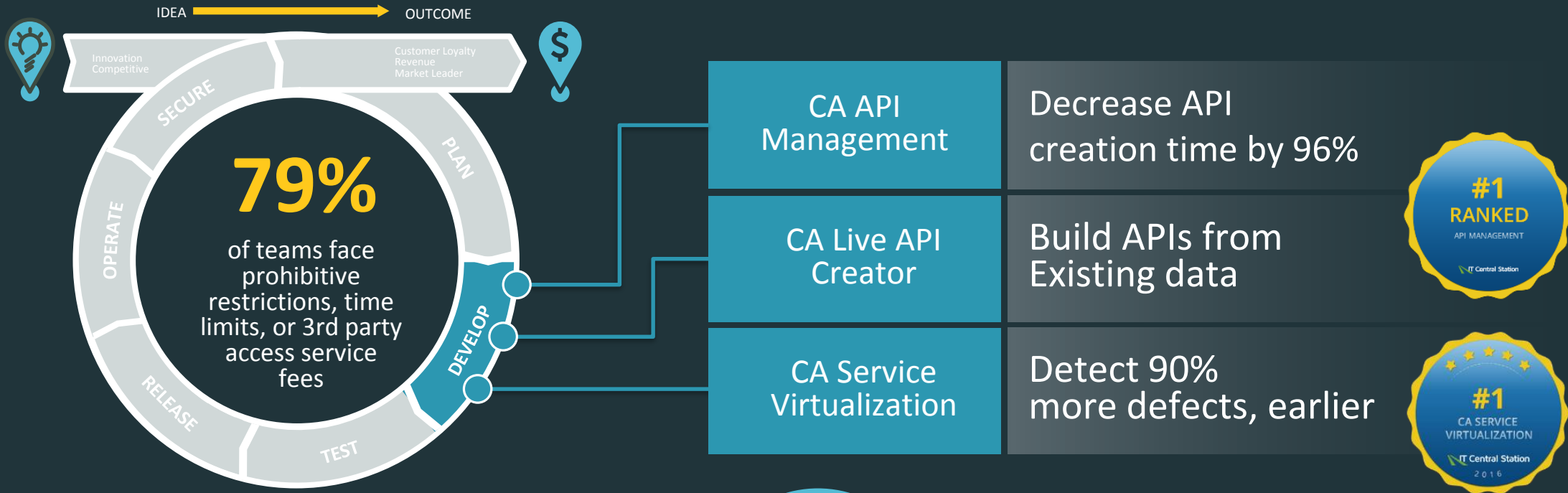
Accurately Translate Ideas into Innovative Software

Challenge: Ensure Alignment from Planning Through Development to Release



Removing Hurdles to Enable Continuous Development

Challenge: How do you build, test and deploy high quality code and APIs?



The New SV Integration API enables CI teams to access virtual services to accelerate testing cycles w/o using SV

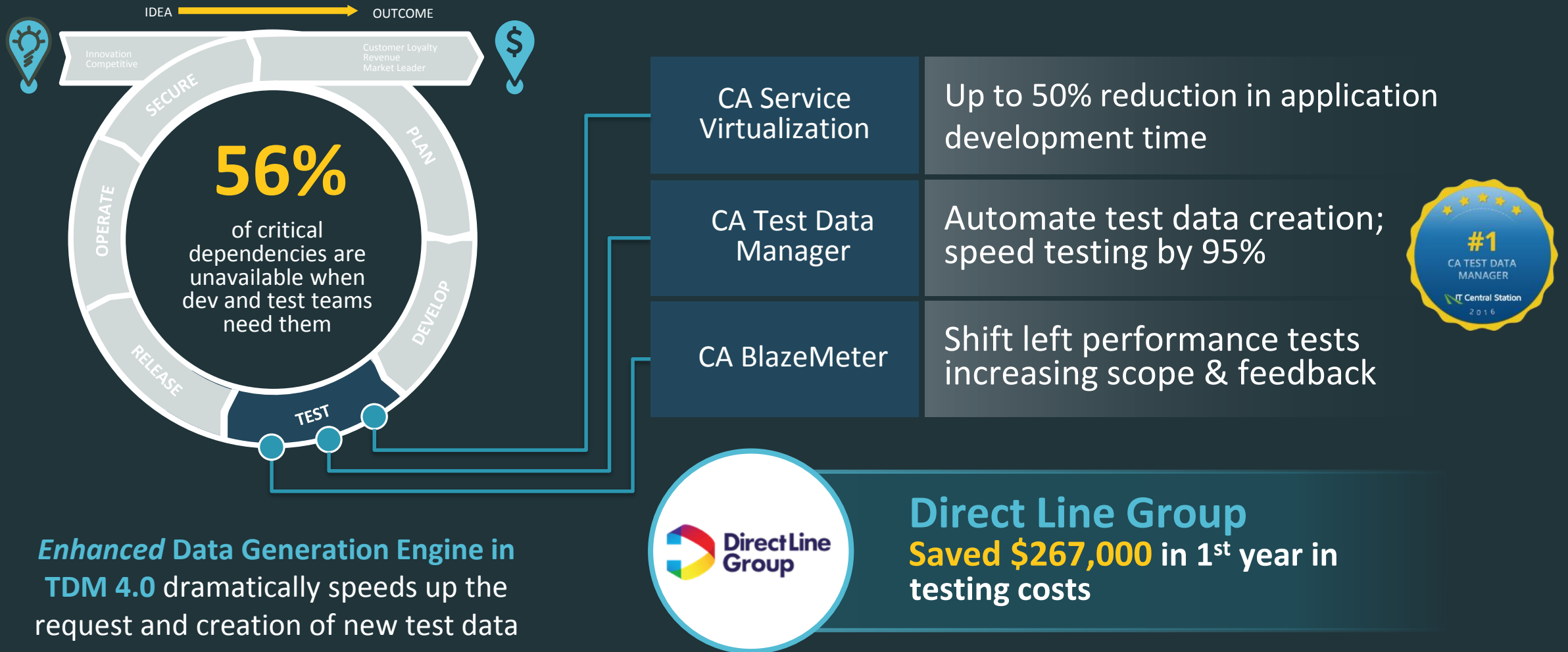


KPN

Improved availability of some testing platforms to **almost 90%**.

Shift Left to Enable Continuous Testing

Challenge: How do you create, execute and manage conclusive application testing?



Automate for Continuous Release

Challenge: How do you automate, speed and improve the software delivery pipeline?



Improves release quality
& reduces errors by 98%

End-to-end automation
improves deployment time by **20x**

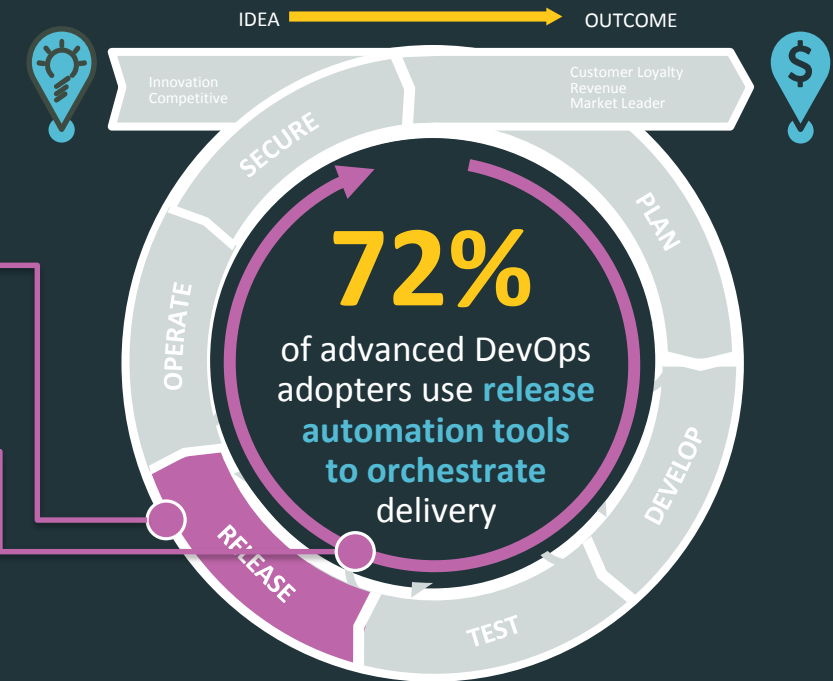
CA Release
Automation

CA Release
Automation
Continuous Delivery
Edition



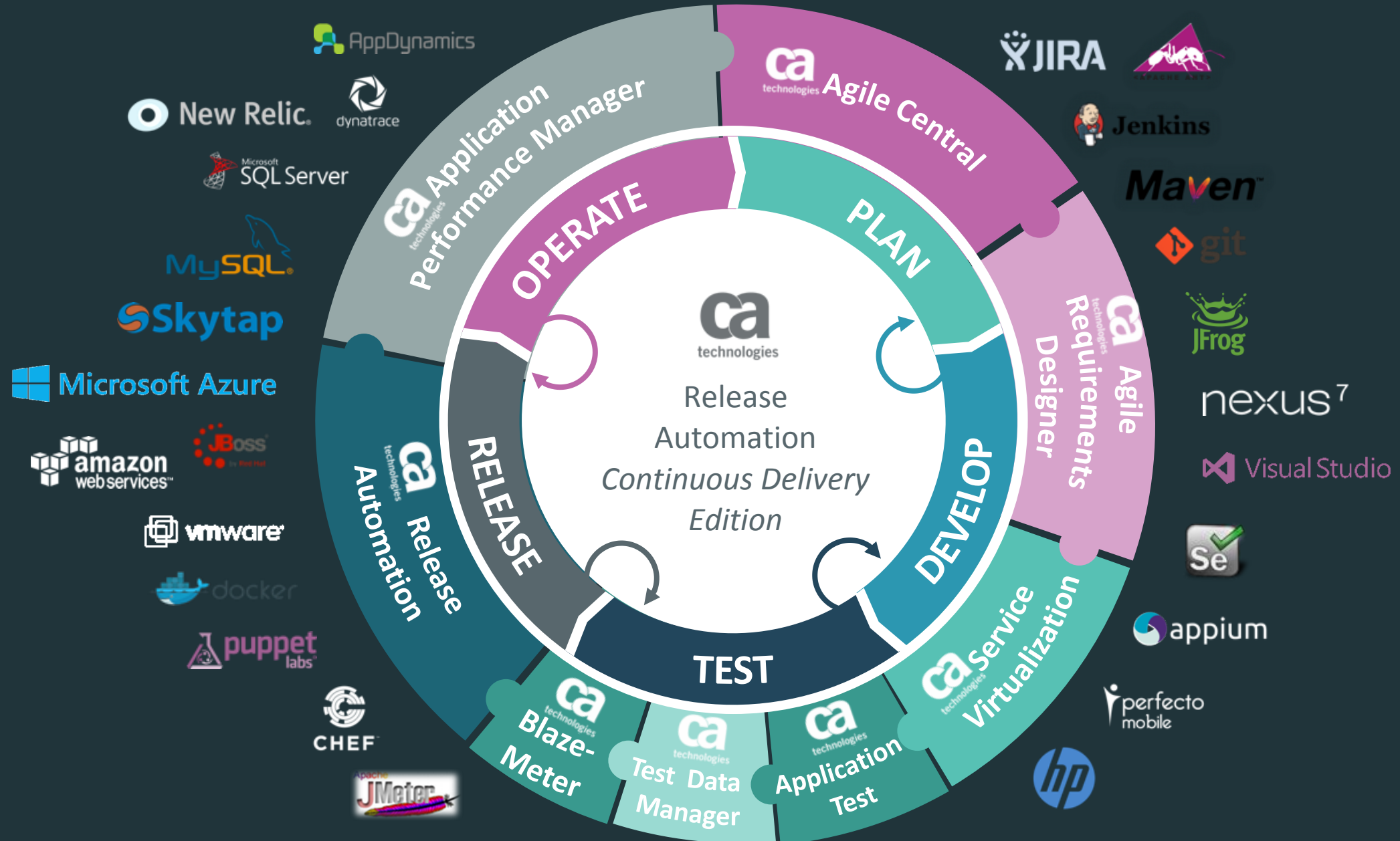
ING

Delivering new apps in **4 days**
vs. 100 days before.



New Release Tracks improves
collaboration and coordination

Open, Integrated Continuous Delivery



Leading the DevOps Industry Consortium



Why CA: Don't Take Our Word For it

Market Validation



CA is Positioned as
a Leader in the
Gartner MQ for
ARA ... Forrester
Wave SV Leader



Nominated in the
“Best Use of Technology in a Project” category for work
with the London Metal Exchange

Differentiation

20x

Faster time to deploy releases*

25%

Reduced testing costs &
improved efficiency*

98%

Reduction in production errors*

*Forrest TEI Research

Customer Success

5 of the top 5
Telecom Companies

4 of the top 5
Retailers

4 of the top 5
Banks

*Based on Global 500

#1

User Ranking

Across Continuous Delivery Solutions in 2016

3 YEARS IN
A ROW



After considering IBM, HP and Parasoft, the company chose CA Service Virtualization and improved **test coverage by 40% to 59%**, and **time-to-market by 20% to 39%**.

*"CA Service Virtualization is **one of the finest solutions available in the market**"*
—Large enterprise financial services company

2 YEARS IN
A ROW



*"CA Release Automation was a **market leader**, we made a quick decision in that direction. We haven't regretted it... **we can do 3 to 4 times more on a release**"*

—Steve Schweiger, Director DevOps at a financial services firm

1st IN NEW
CATEGORY



ABN/AMRO chose CA Test Data Manager over IBM and Informatica... saying "**ease of use was highly superior** when compared to the competition

—Patrick van Dijk, IT Project Manager

CA Drinking Our Own Champagne

Example: Using Agile Requirements Designer



KEEP
CALM
AND
DRINK YOUR OWN
CHAMPAGNE

93%

Time Saving
Improvement

Create Test Cases In

3 Days

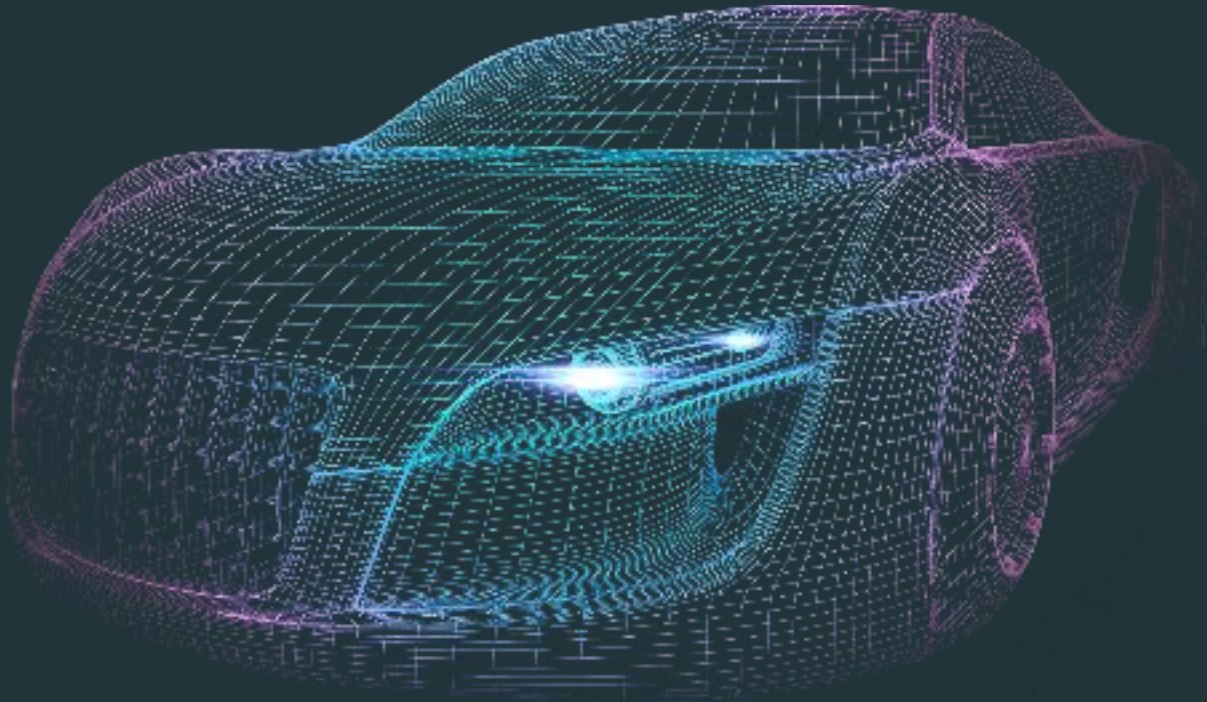
Versus 40 Days Before



while improving
test coverage

Looking Forward

Continue to Innovate for our Customers



1

Shift Left (and Shift Right)

Component, System & Functional Testing

2

Develop on Open Source

Democratization of development

3

Deliver in the Cloud

SaaS and on-prem solutions

4

5 E's: Make it Easier to

Find, Try, Buy, Maintain, Use.

CA Technologies: Proven Expertise and Staying-Power

35+

YEARS MANAGING COMPLEX
IT ENVIRONMENTS

\$4.26

BILLION ANNUAL REVENUE
AND STRONG PROFIT

- Invests more than **\$1 billion** each year in designing and supporting software
- Holds more than 1,050 patents worldwide, with more than 950 patents pending
 - 2 Patents Closed for Release Automation in November 2016
 - 5 Patents for Service Virtualization

A **marquee customer base**²:

46 of 50

Fortune 50

20 of 20

Largest global banks

13 of 15

Largest financial services companies

8 of 10

Largest defense/aerospace companies

23 of 25

Largest U.S. Federal agencies³

9 of 10

Largest pharmaceutical companies

20 of 20

Largest insurance companies

10 of 10

Largest telecom companies

Thank you!

