

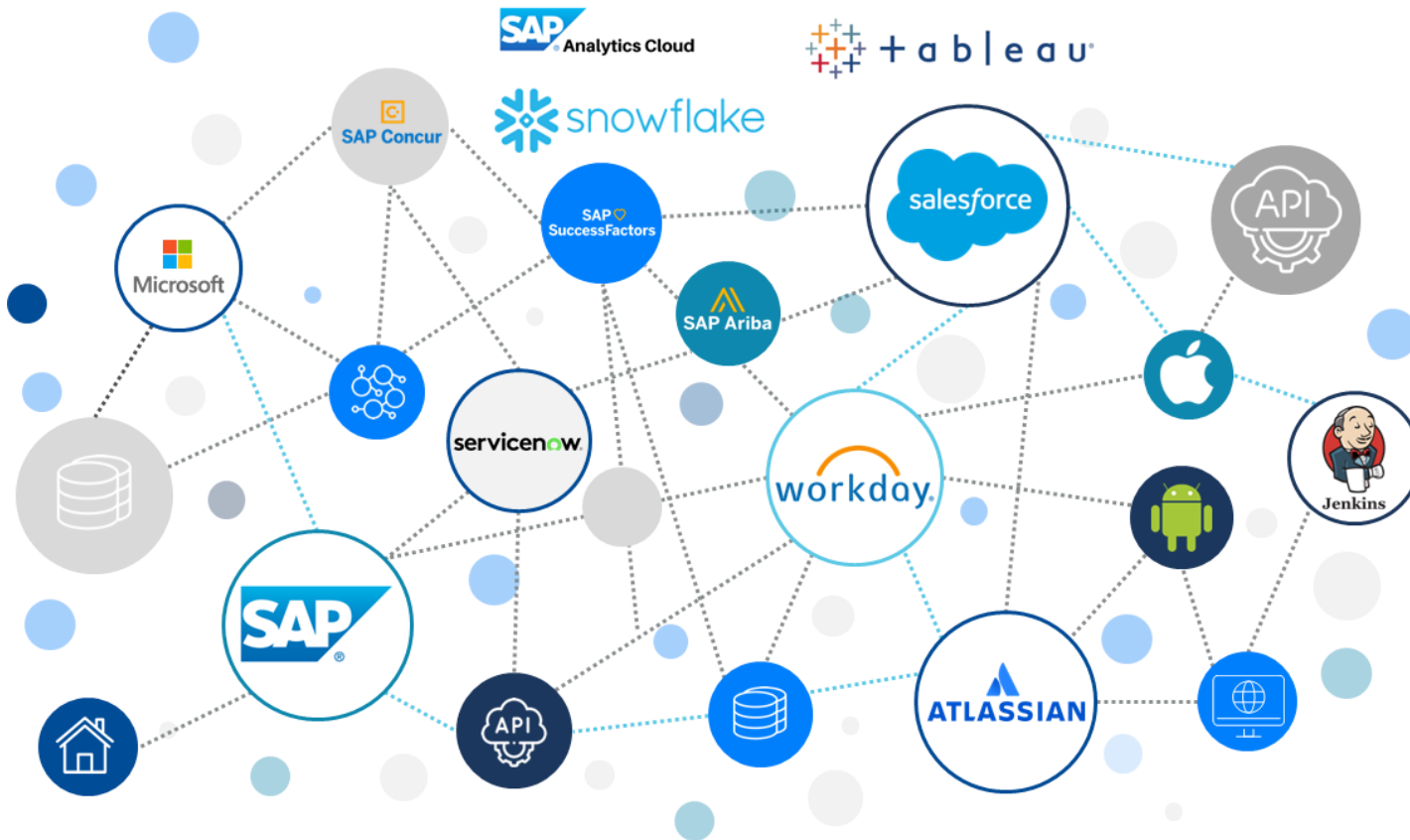
May 7th, 2025 | Auckland

How AI Supports Highly Effective SAP Quality Engineering

Anastasios (Tasos) Kyriakopoulos
VP Solution Architects APAC



Cloud Adoption Innovation & Optimization



Composable | Autonomous | Heterogeneous

Innovation
does not happen
in a vacuum

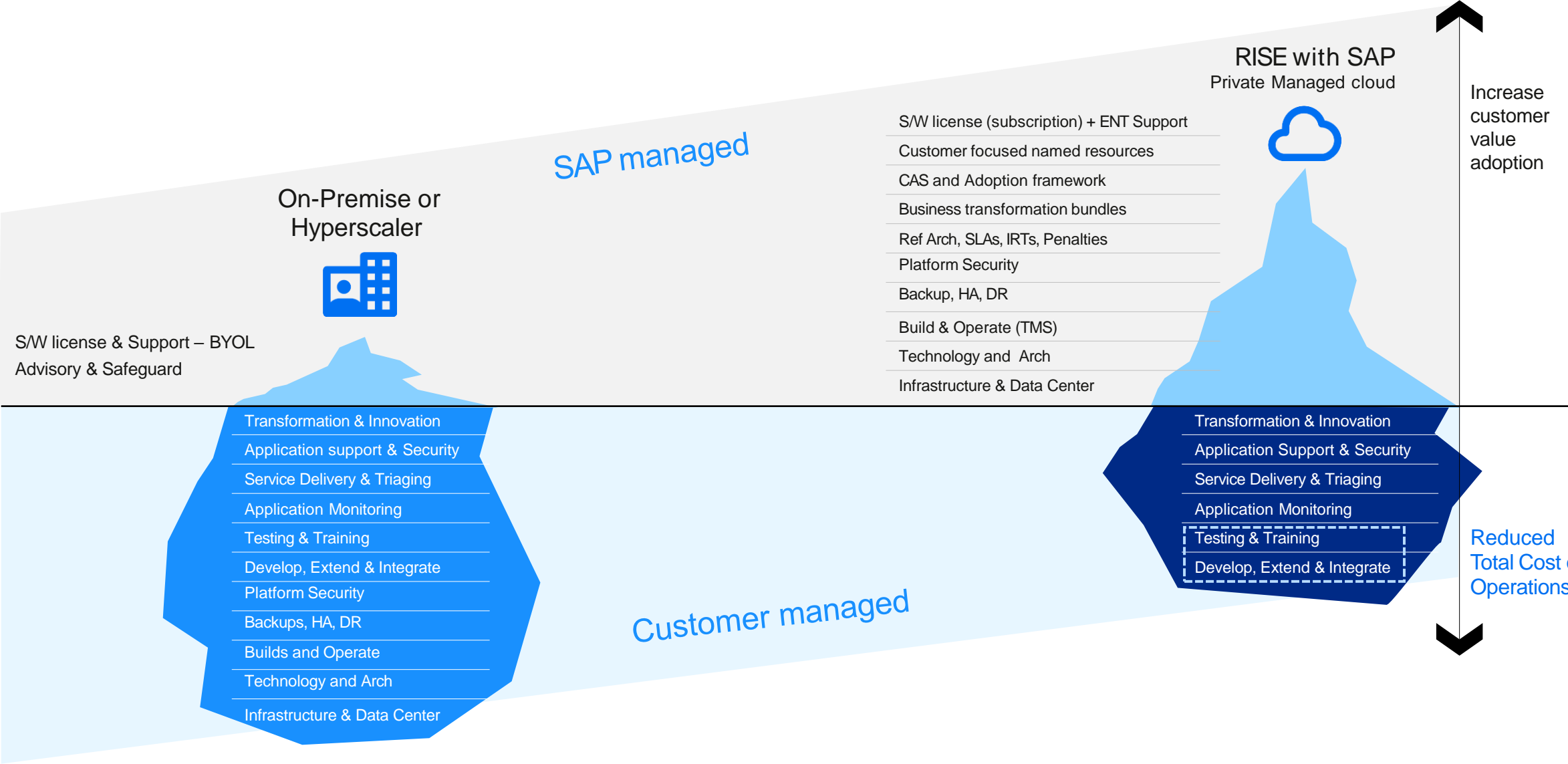


Increasing
rates of change

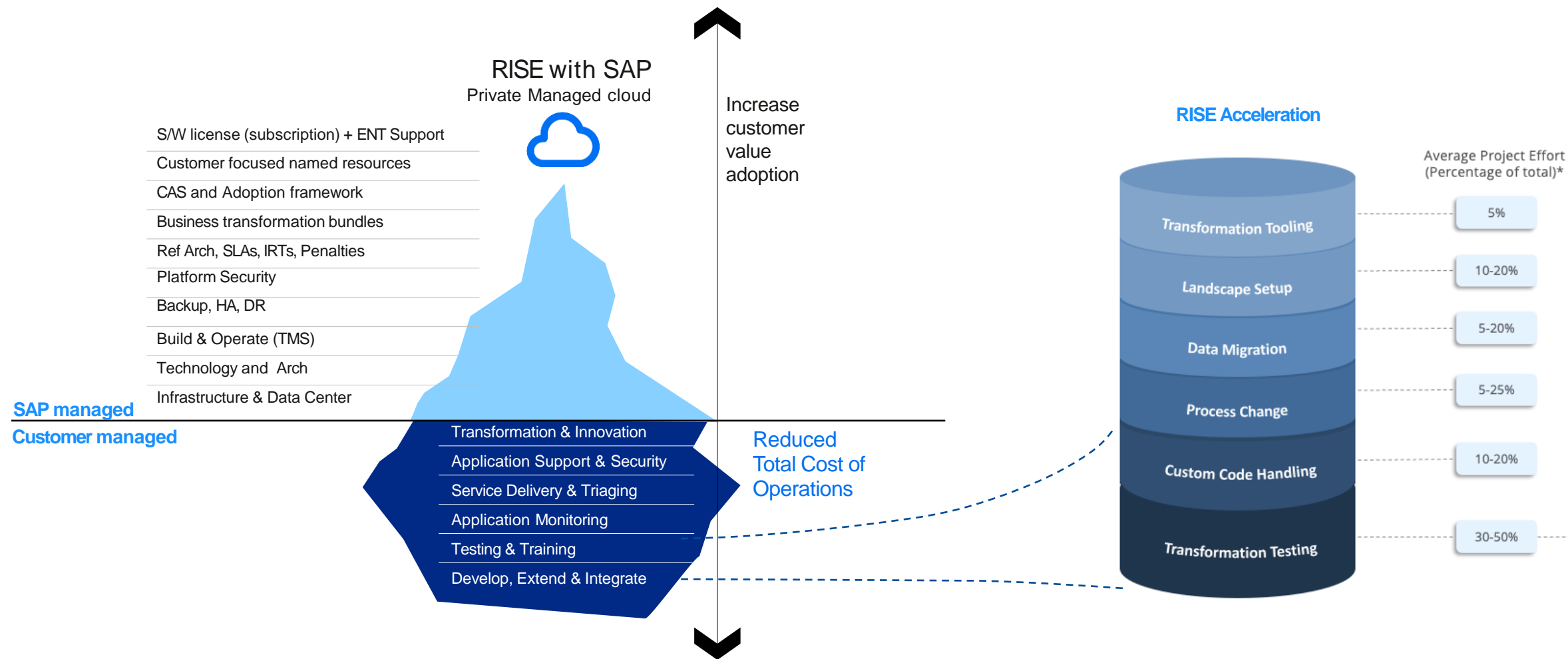
Increasing integration
complexities

Increasing change
dependencies

Transitioning to the Cloud – A New Operating Model



Transitioning to the Cloud – A New Operating Model

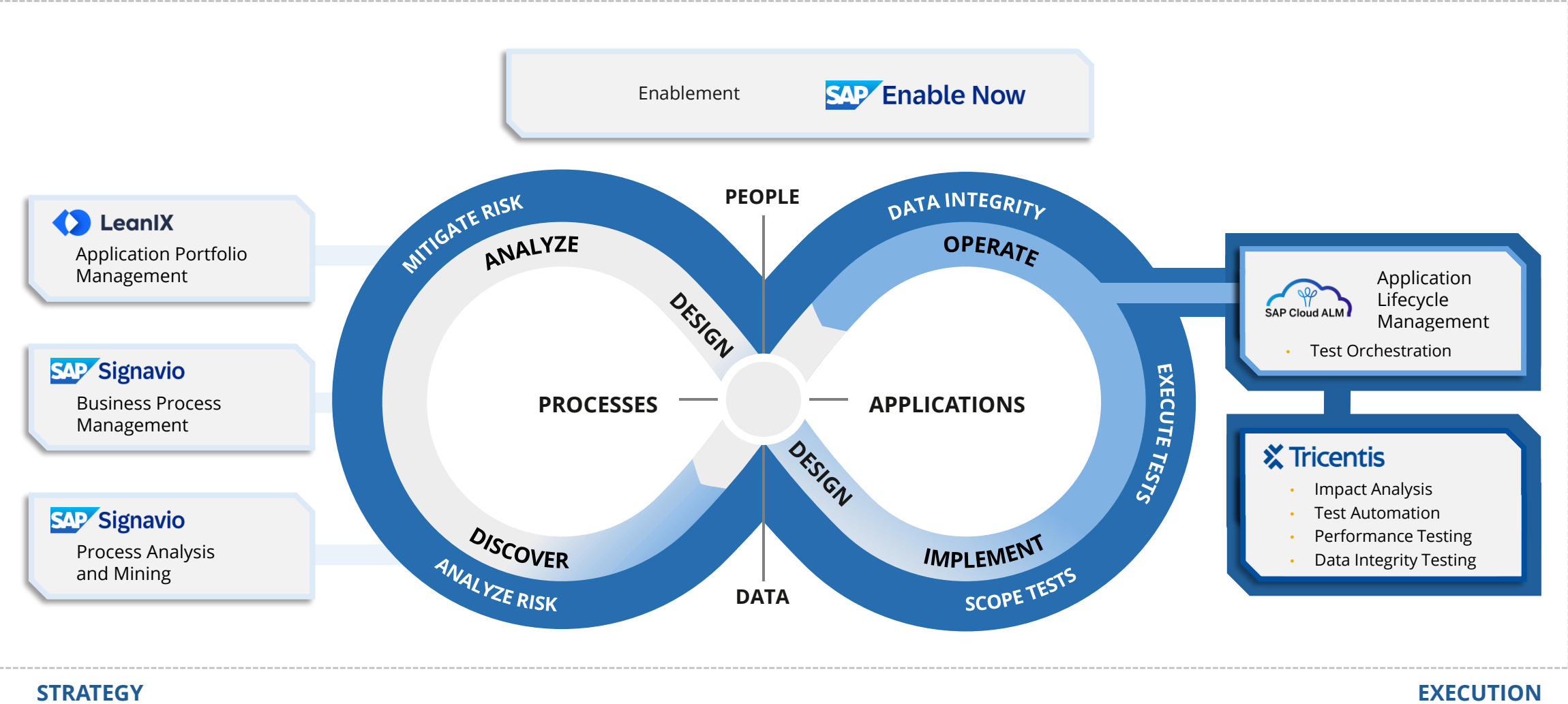


How do you ensure that
you *actually arrive* where
you want to go?



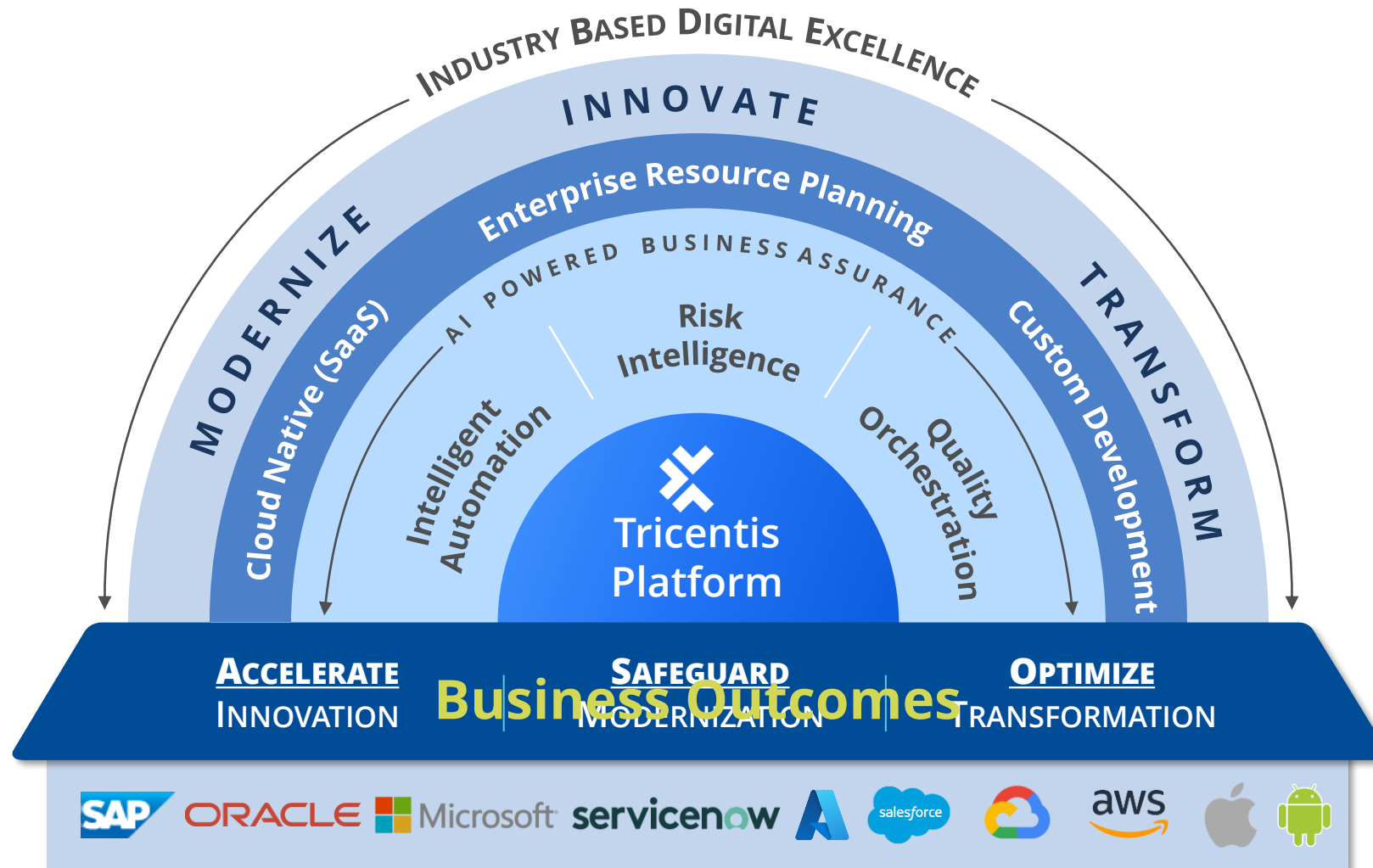
The Answer (Part 2) The Quality Shield for SAP by Tricentis

Safeguarding transformation across EAM, BPM and ALM



The Tricentis Platform

Safeguarding delivery of outcomes through digital transformation & innovation



The Tricentis Continuous Testing Platform

The only quality assurance solutions certified and recommended by SAP

Where is the risk?

SAP Change Impact Analysis
by Tricentis

SAP change
intelligence

Tricentis
LiveCompare

Does it work?

Private Cloud
**SAP Enterprise Continuous
Testing** by Tricentis

Intelligent test
automation

Tricentis
Tosca

Public Cloud

**SAP Enterprise Continuous
Testing** by Tricentis

Intelligent test
automation

Does it scale?

**SAP Enterprise Performance
Testing** by Tricentis

Enterprise
performance

Tricentis
Neoload

Is the data correct?

**SAP Enterprise Data
Integrity Testing** by Tricentis

End-to-end data
testing

Tricentis
Data Integrity



SAP Solution Extensions

SAP Activate

The future of AI for Quality Assurance

AI for QA

Vision AI & Self-Healing

Foundation for autonomous testing
Reduce test cycles & DevOps ready

Gen-AI Based Test Creation

Automatically create manual tests
based on User stories/requirements.

Copilots & Smart Assistants

Copilots perform tasks
Smart Assistants provide insight

Autonomous Testing (Agentic AI)

Automatically design and execute, tests
without human intervention

Risk Intelligence

Insights into change identifying, assessing,
and prioritizing most-at-risk areas



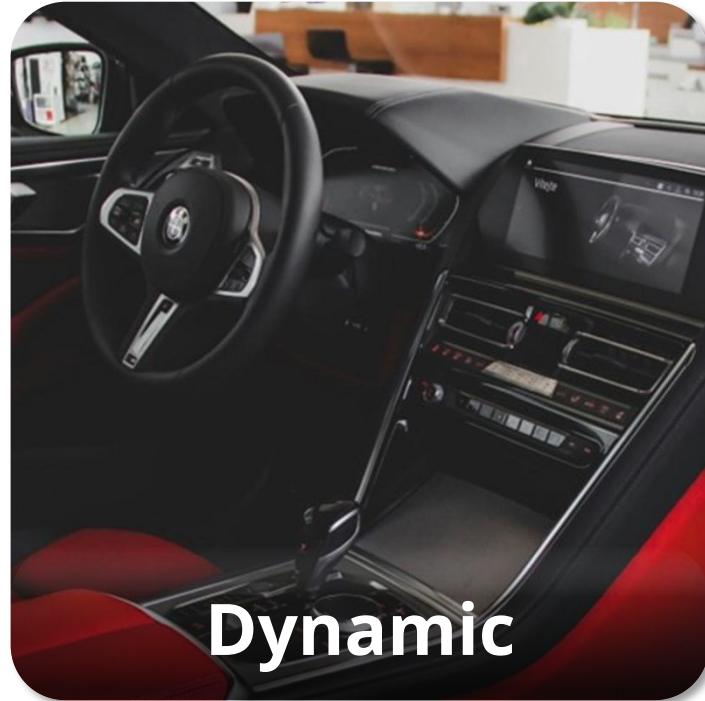
Evolution of AI in Quality Engineering

Evolution of Driving



Standard Cruise Control

Scripted Automation
Codeless Automation



**Adaptive Cruise Control
Advanced Navigation**

Computer Vision
Self-healing | Risk Intelligence



Autonomous Driving

Copilots | GenAI
Autonomous Testing

Business Process Management

 **Foundational**
Standard Cruise Control

 **Dynamic**
Adaptive Cruise Control

 **Transformative**
Autonomous Driving

TRANSFORMATIVE

Copilots

Generative AI

Autonomous Testing

GENERATIVE AI AUTONOMOUS AI

Business Process Management

 **Foundational**
Standard Cruise Control

 **Dynamic**
Adaptive Cruise Control

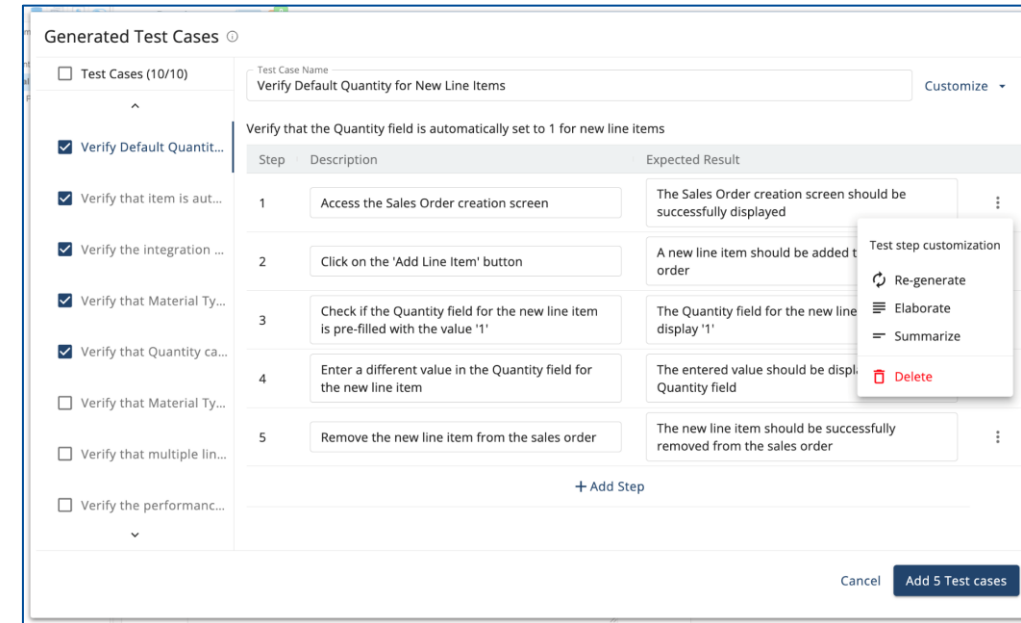
 **Transformative**
Autonomous Driving

AI Copilot – test generation assistant

Generative AI-powered drafting test cases, test steps, and expected results

Test case generation

- One-click test case drafting with steps and expected results.
- Use generative AI to expand use case coverage and avoid blind-spots.
- Approve, modify, delete, or add steps as needed.
- Copilot prompts to elaborate outputs.
- Regenerate test steps or test cases without losing scope.




The screenshot displays the 'Generated Test Cases' interface. At the top, there's a section for 'Test Cases (10/10)' with a search bar containing 'Verify Default Quantity for New Line Items' and a 'Customize' dropdown. Below this, a list of test cases is shown, each with a checkbox and a description. The first test case is 'Verify Default Quantity for New Line Items', which is checked. To the right of the list, a table shows the test steps and expected results for this test case. The table has three columns: 'Step', 'Description', and 'Expected Result'. The steps are numbered 1 through 5. A 'Test step customization' menu is open over the table, showing options: 'Re-generate', 'Elaborate', 'Summarize', and 'Delete'. At the bottom right of the interface, there are 'Cancel' and 'Add 5 Test cases' buttons.

Step	Description	Expected Result
1	Access the Sales Order creation screen	The Sales Order creation screen should be successfully displayed
2	Click on the 'Add Line Item' button	A new line item should be added to the order
3	Check if the Quantity field for the new line item is pre-filled with the value '1'	The Quantity field for the new line item should display '1'
4	Enter a different value in the Quantity field for the new line item	The entered value should be displayed in the Quantity field
5	Remove the new line item from the sales order	The new line item should be successfully removed from the sales order

Business Process Management

 **Foundational**
Standard Cruise Control

 **Dynamic**
Adaptive Cruise Control

 **Transformative**
Autonomous Driving

The Future in Quality Management

What's next in AI-powered quality management

Test Case Discovery

Find existing tests cases that meet coverage needs instead of creating duplicates

Test Case Review and Analysis

Analyze test cases to improve their quality and reduce testing redundancies

Requirement Optimization

Analyze requirements to improve their quality

Copilot Companion

Ask qTest Copilot for help or tips related to your test management environment

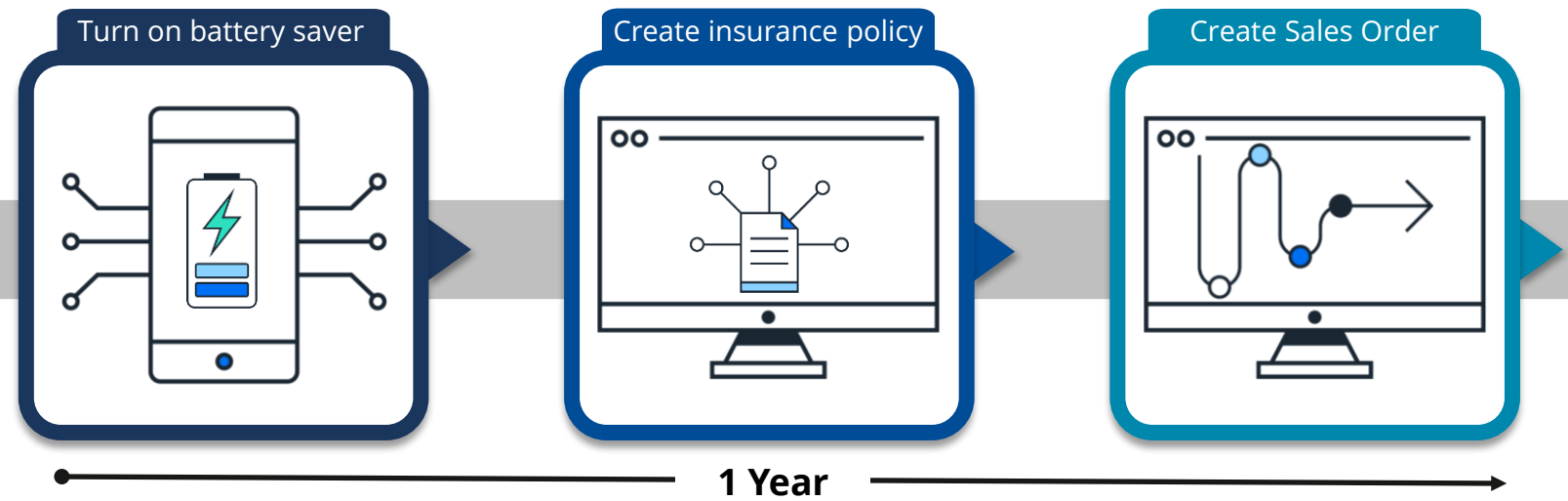
Business Process Management

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Standard Cruise Control

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Autonomous Driving

Enter the Agentic AI Era



Autonomous Test Automation Progress

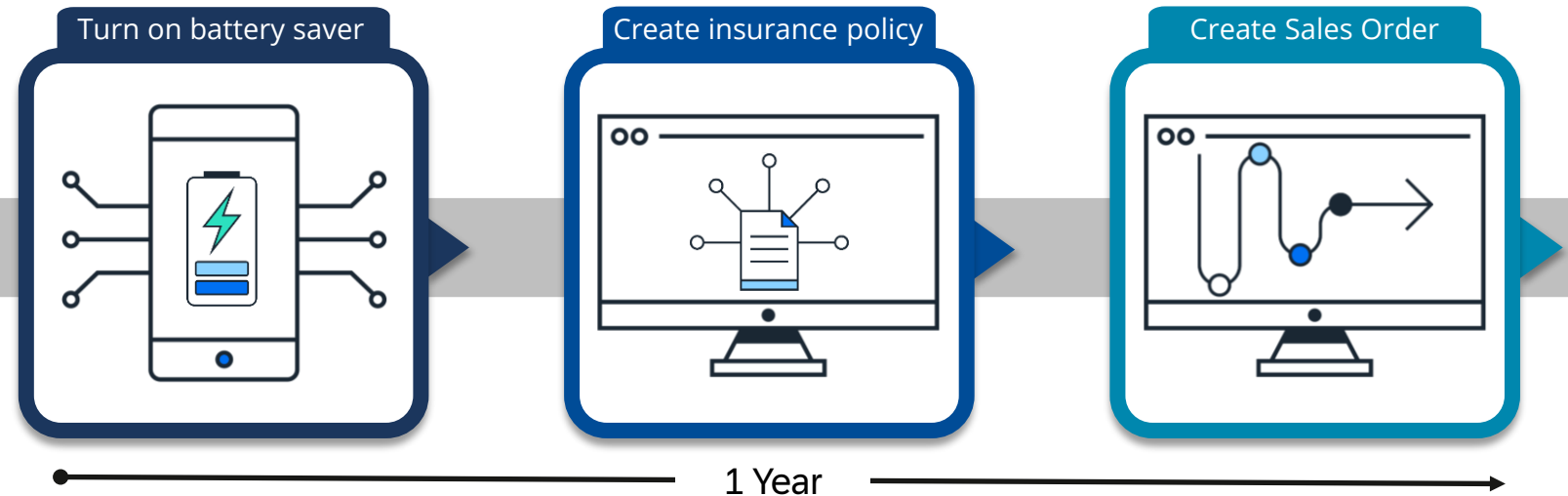
Business Process Management

 **Foundational**
Standard Cruise Control

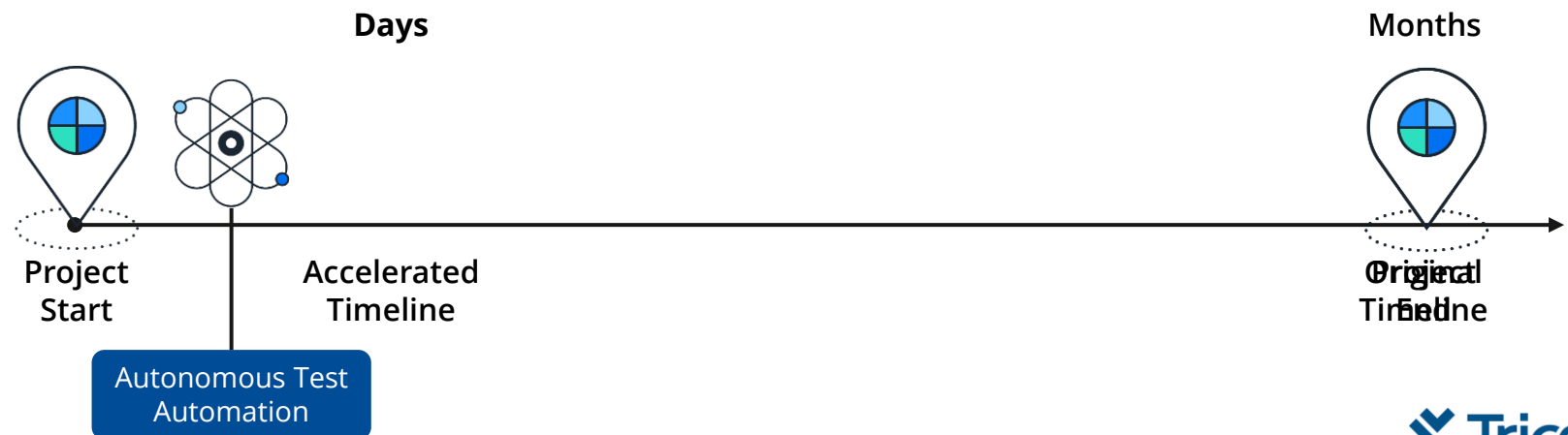
 **Dynamic**
Adaptive Cruise Control

 **Transformative**
Autonomous Driving

Enter the Agentic AI Era



The New Innovation Normal



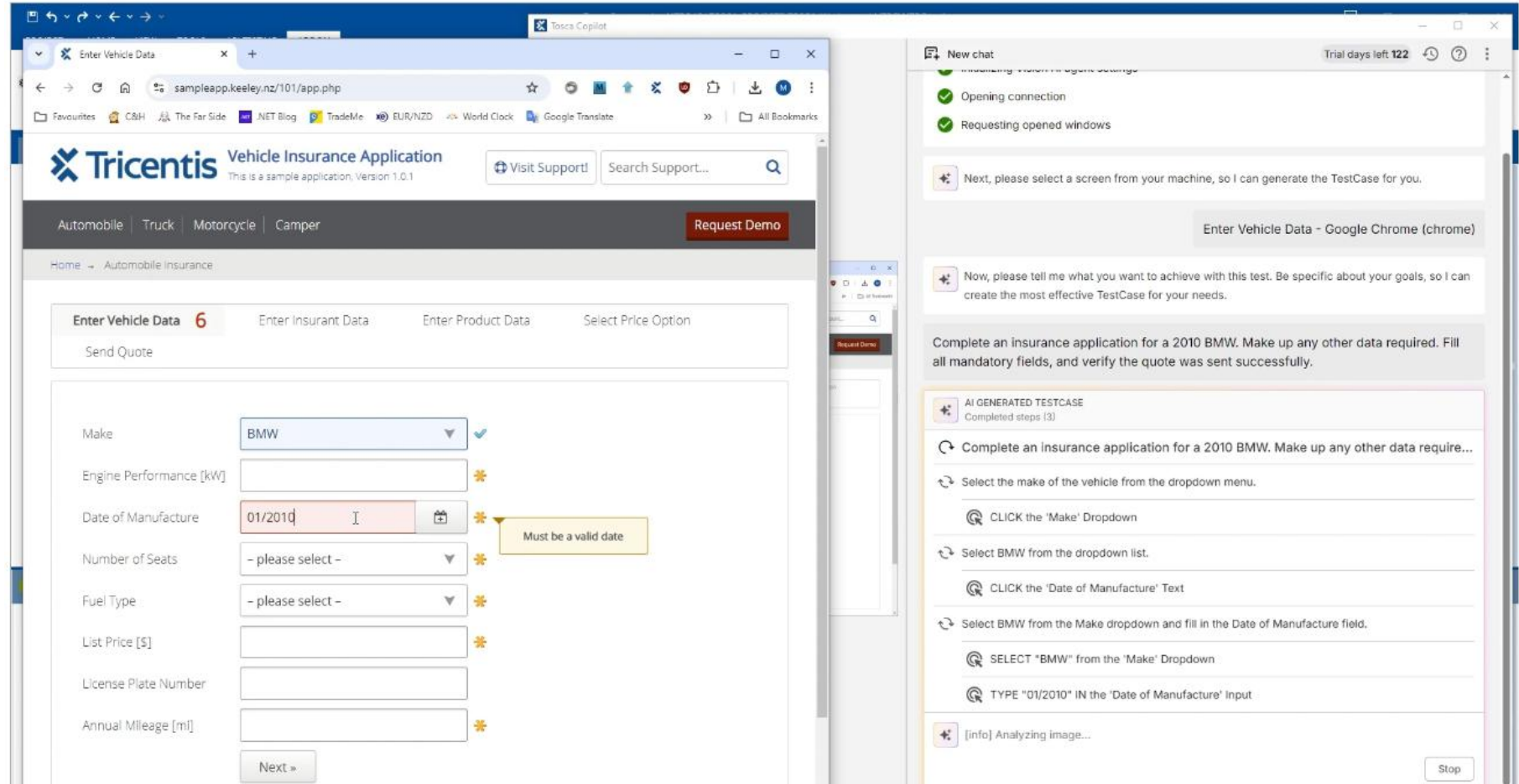
Business Process Management

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Autonomous Driving

The future: Autonomous Testing (Preview)



The image displays a web application interface for a vehicle insurance quote, alongside a chat-based testing assistant interface.

Vehicle Insurance Application (Left):

- Header: Tricentis Vehicle Insurance Application. This is a sample application, Version 1.0.1. Includes links for Visit Support! and Search Support...
- Navigation: Automobile | Truck | Motorcycle | Camper. A Request Demo button is visible.
- Form Sections: Enter Vehicle Data (6), Enter Insurant Data, Enter Product Data, Select Price Option.
- Fields: Make (BMW), Engine Performance [kW], Date of Manufacture (01/2010), Number of Seats (- please select -), Fuel Type (- please select -), List Price [\$], License Plate Number, Annual Mileage [mi].
- Validation: A tooltip indicates "Must be a valid date" for the Date of Manufacture field.
- Buttons: Send Quote, Next >

Tosca Copilot Chat Interface (Right):

- Header: New chat. Trial days left 122.
- Status: Opening connection, Requesting opened windows.
- Instruction: Next, please select a screen from your machine, so I can generate the TestCase for you.
- User Input: Enter Vehicle Data - Google Chrome (chrome).
- Instruction: Now, please tell me what you want to achieve with this test. Be specific about your goals, so I can create the most effective TestCase for your needs.
- Goal: Complete an insurance application for a 2010 BMW. Make up any other data required. Fill all mandatory fields, and verify the quote was sent successfully.
- AI GENERATED TESTCASE (Completed steps (3)):
 - Complete an insurance application for a 2010 BMW. Make up any other data require...
 - Select the make of the vehicle from the dropdown menu.
 - CLICK the 'Make' Dropdown
 - Select BMW from the dropdown list.
 - CLICK the 'Date of Manufacture' Text
 - Select BMW from the Make dropdown and fill in the Date of Manufacture field.
 - SELECT "BMW" from the 'Make' Dropdown
 - TYPE "01/2010" IN the 'Date of Manufacture' Input
- Status: [info] Analyzing image...
- Buttons: Stop

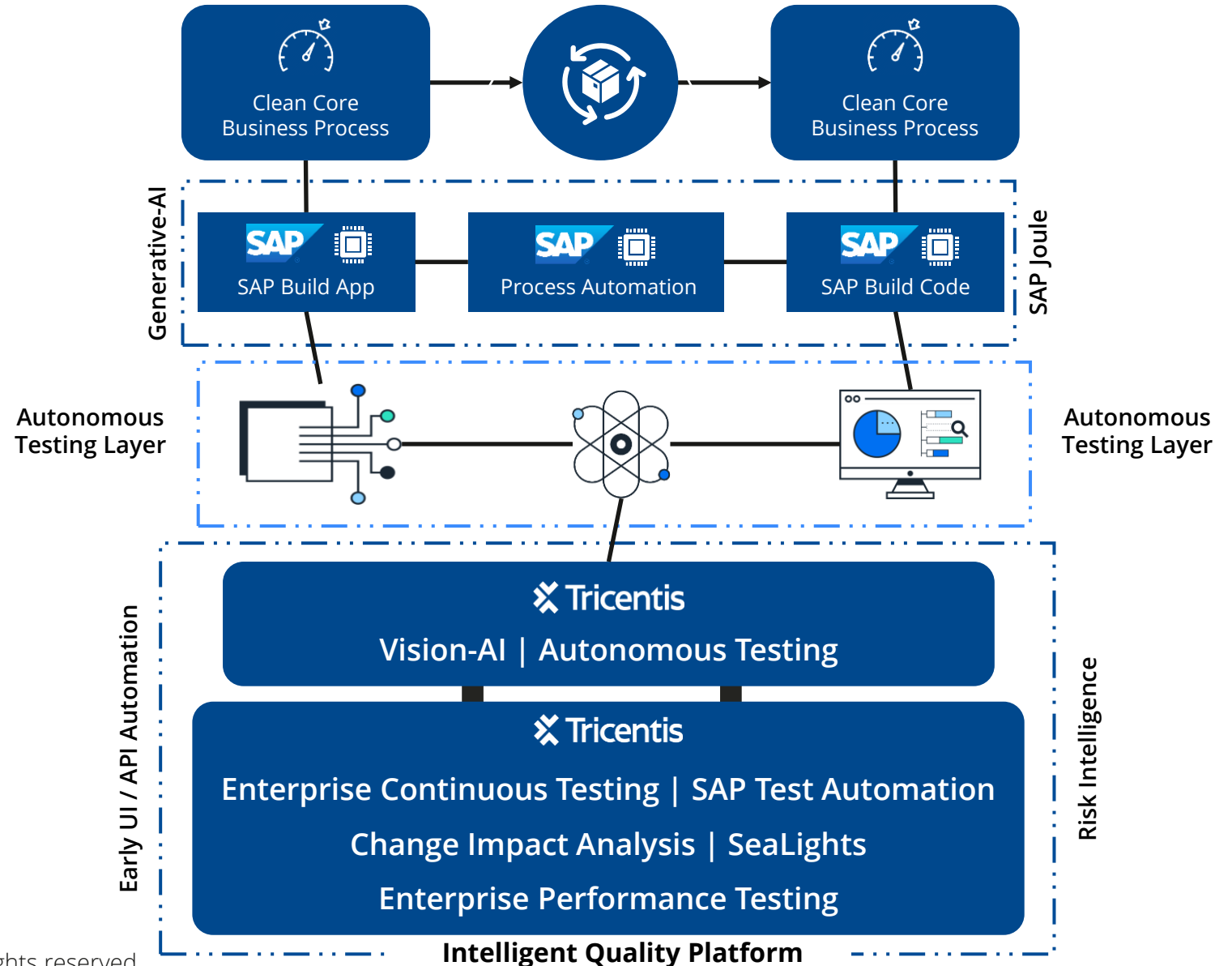
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SAP Business Suite Innovation





Thank You