

QAD Automation Solutions (QAS) Expansion and Enhancements

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Introduction



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Agenda

- A brief history
- Your feedback → our lessons learned
- Our lessons learned → our actions
 - Enhancement: core engine
 - Enhancement: quick start
 - Enhancement: library
 - Enhancement: OEM packages
 - Expansion: warehouse
 - Expansion: Labs
- Our actions → your benefit

But First...What is QAD Automation Solutions?

- RF data collection and label printing service?
- Fully integrated?
- Obvious choice to improve your operational KPIs?

A Brief History – QAD Automation Solutions

2015

- 4 Go-Lives
- Auto, LS
- North America

2018

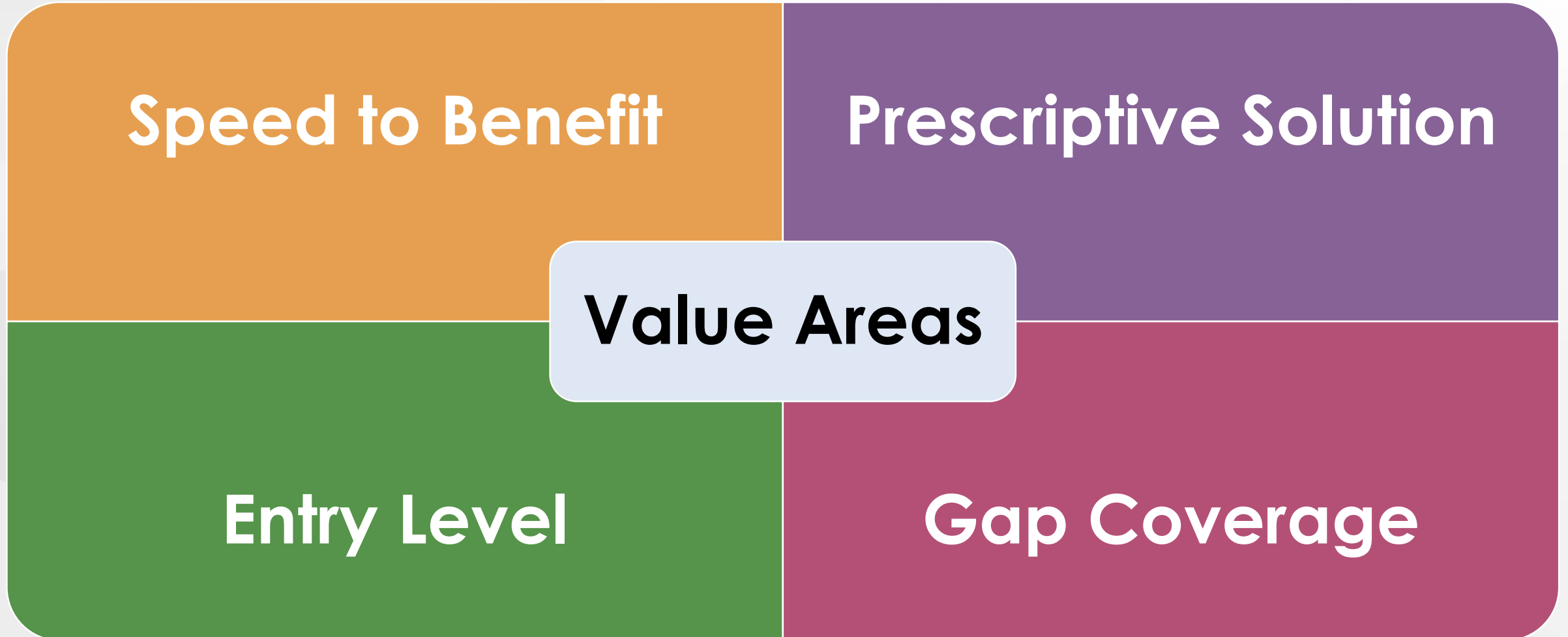
- 62 Go-Lives
- Auto, LS, Industrial, High Tech, F&B, CPG
- APAC, EMEA, LA, NA

Your Feedback → Our Lessons Learned

- Configuration framework is powerful and flexible
 - “Downside” of flexibility is complexity
 - Capability valued higher than configurability
 - Integrated needs to mean integrated
-
- What did this feedback lead to?

Adaptive Change

Your Feedback → Our Lessons Learned



Speed to Benefit

Prescriptive Solution

Value Areas

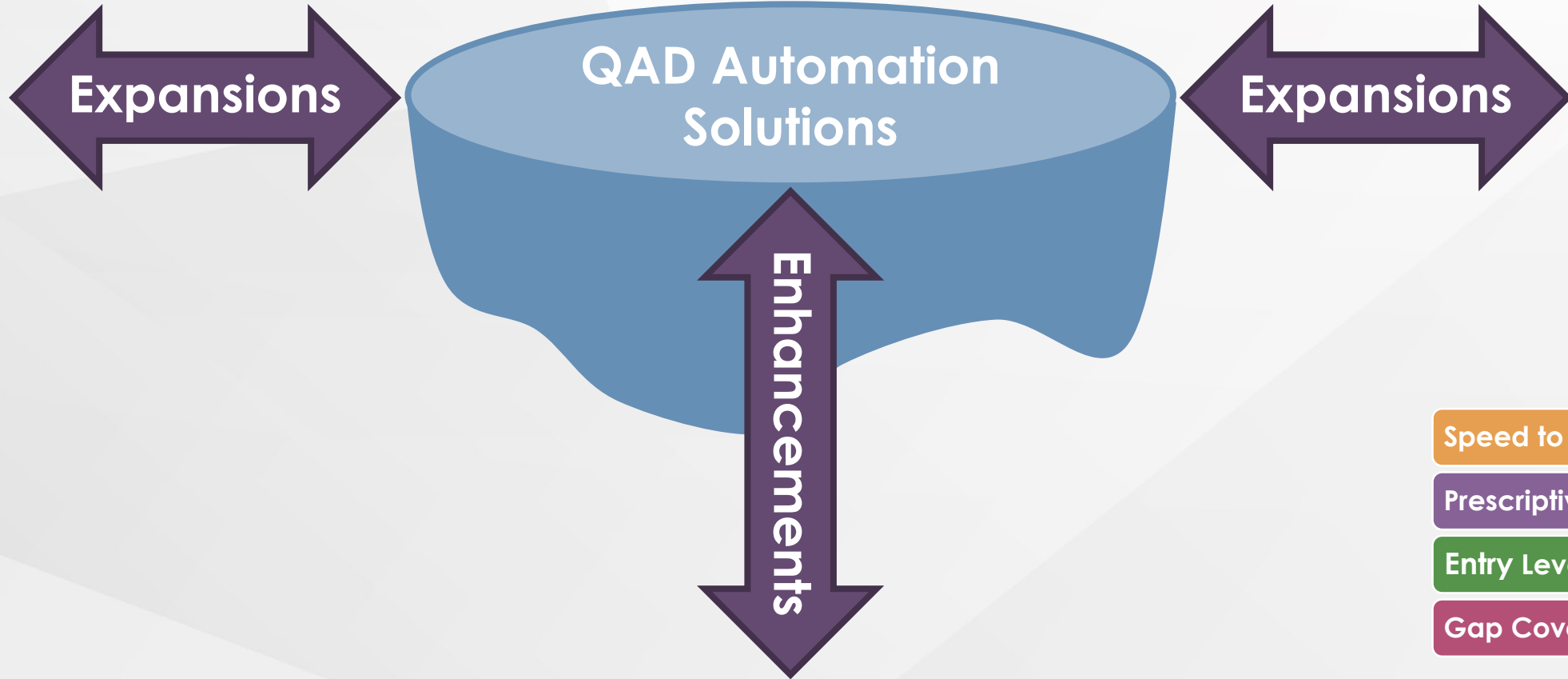
Entry Level

Gap Coverage

QAD Automation Solutions Expansion and Enhancements

Lessons Learned → Action

Lessons Learned → Action



QAD Automation Solutions Expansion and Enhancements

Action: Enhancements

Enhancement → Core Engine

- Value: gap coverage
 - Reduces stranded transactions through more detailed control
 - Enables faster support resolutions
 - Applicable to any transaction
 - Installable on any YAB environment
- What was enhanced?
 - Function keys: control which keys are accessible, per field
 - Published transactions: ensures transactions haven't been modified
 - EAM login: can now access EAM and ERP transactions in same menu

Speed to Benefit

Prescriptive Solution

Entry Level

Gap Coverage

Enhancement → Quick Start

Speed to Benefit

Prescriptive Solution

Entry Level

Gap Coverage

- Value: speed, entry level
 - Enables faster implementations through accelerated timeline
 - Reduces project complexity
- What was enhanced?
 - Quick Start is an implementation methodology → template for entry level projects
 - 15 standard transactions
 - Minimal consulting/travel expenses with enough documentation and training to succeed
 - Enough standard transactions to avoid configuration

Enhancement → Quick Start

Speed to Benefit

Prescriptive Solution

Entry Level

Gap Coverage

Step 1: Onboarding

- Discovery Session (selecting transactions)
- Initial DC/LPS Installation
- Training with the Customer Data

Step 2: Implementation

- Support for testing and UAT (3 days)
- Support for cut over and Go Live (3 days)

Optional Elements

- Serialization Training & Implementation
- Personalization of Transactions & Labels
- DC/LPS Toolkit Training

QAD helps select the most relevant transactions for the customer's business processes, delivers training on those transactions in the customer's environment and provides implementation support

Enhancement → Library

- Value: speed, prescriptive, coverage
 - Takes advantage of industry experience
 - Provides ready-made foundation for schedule-driven businesses
 - Unlocks FIFO without lot control
- What was enhanced?
 - Set of transactions that services developed to fit front-back scheduled business flow
 - Includes functionality that is critical to many industries

Speed to Benefit

Prescriptive Solution

Entry Level

Gap Coverage

Enhancement → Library

Speed to Benefit

Prescriptive Solution

Entry Level

Gap Coverage

Prefixes

- Easily maintained in QAD maintenance screen
- Mapped to any combination of site/supplier/customer

FIFO on LP

- Transactions now write “Commission Date” on LP
- Enables FIFO or FEFO without lot or sequence sort

External labels

- Supplier labels get pre/suffix in QAD records
- QAS “intelligently” reads LP barcode without pre/suffix

Enhancement → OEM Packages

Speed to Benefit

Prescriptive Solution

Entry Level

Gap Coverage

- Value: speed, prescriptive, coverage
 - Provides functionality to satisfy OEM “must be this tall to ride”
 - Enables rapid implementation, even with customer-specific needs
- What was enhanced?
 - Upgrade of Honda package to comply with new requirements
 - Creation of Toyota package
 - Have awareness of EDI data for collection, validation and label printing

QAD Automation Solutions Expansion and Enhancements

Action: Expansions

Expansion → Warehouse

Speed to Benefit

Prescriptive Solution

Entry Level

Gap Coverage

- Value: speed, entry-level (option), coverage
 - Provides warehousing capabilities inside QAD Automation Solutions
 - Enables full benefits of new core QAD functionality
 - Serialization, Attributes, Quality
 - Production Orders
 - Offers entry-level version for moderate warehousing needs
 - Uses API calls for powerful, yet dynamic processing
- What is the expansion?
 - QAS Warehouse: Base
 - QAS Warehouse: Advanced

Expansion → Warehouse

- Speed to Benefit
- Prescriptive Solution
- Entry Level
- Gap Coverage

Intelligent
Putaway

Efficient
Picking

Effective
Warehouse
Management

Expansion → Base Warehouse

- New system organization
 - Adds layout levels to organize inventory movement
 - Relates items to organizational levels
 - Provides basic capacity and utilization measurement
- New QAD Automation Solutions transactions
 - Directed putaway based on item-layout connections, present capacity
 - Picking with travel sequence intelligence

Speed to Benefit

Prescriptive Solution

Entry Level

Gap Coverage

Expansion → Advanced Warehouse

Speed to Benefit

Prescriptive Solution

Entry Level

Gap Coverage

- New system organization
 - Base layout (scalable!!) with more complex capacity
 - Material routing and business rules
 - Event and task management
 - Space, inventory and labor metrics
- New task-driven QAD Automation Solutions transactions
 - Putaway → runs dynamically or on pre-existing tasks
 - Replenishment → min/max (for pick face) and production
 - Picking → management-defined priorities (FIFO, FEFO, full, partial, etc.)

Expansion → Warehouse Integrations

- ASRS integration
 - Provides live connection with automated storage and retrieval systems
 - Enables advanced technologies in warehouse
- Production Execution integration
 - Empowers automatic replenishment and clearance from production

Speed to Benefit

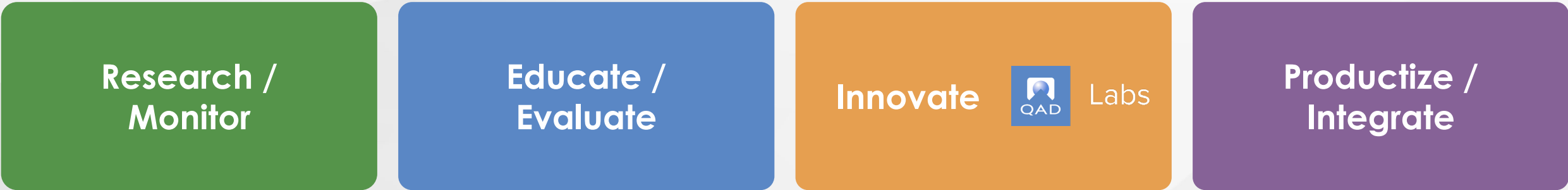
Prescriptive Solution

Entry Level

Gap Coverage

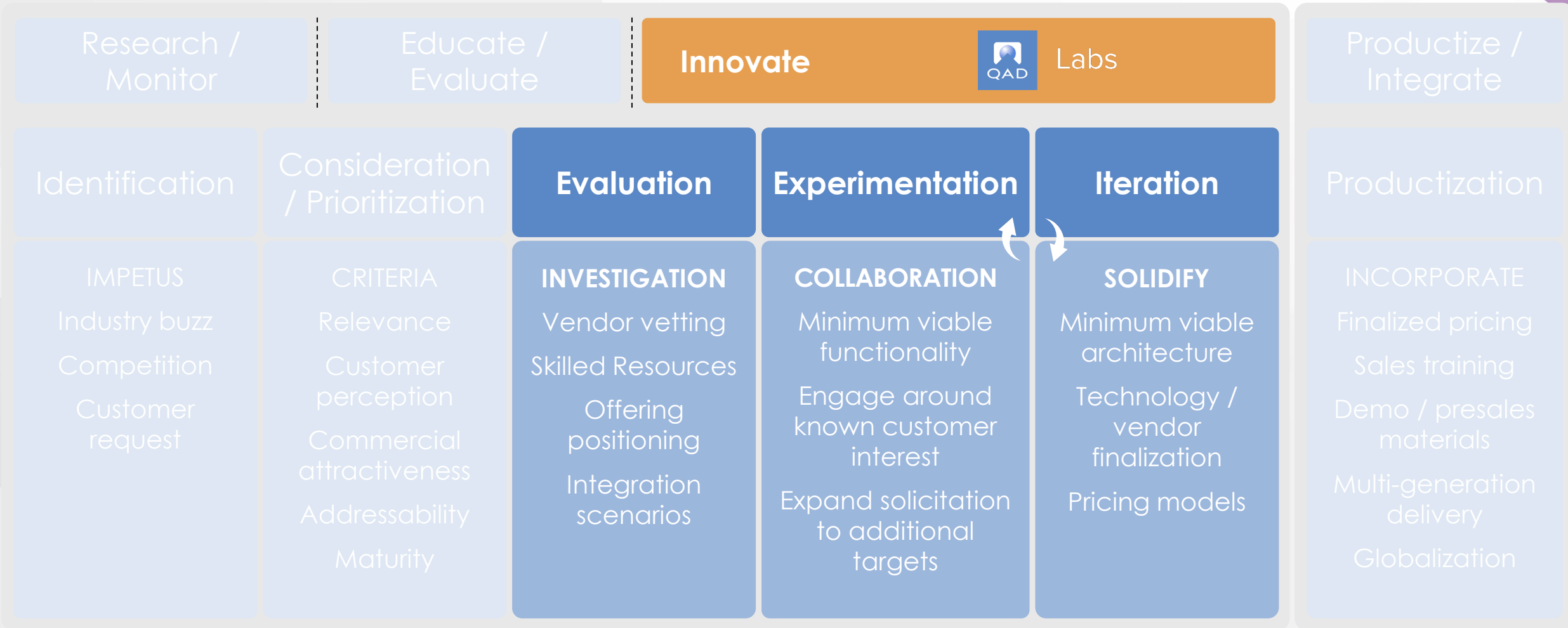
But what is Production Execution?

Expansion → Labs



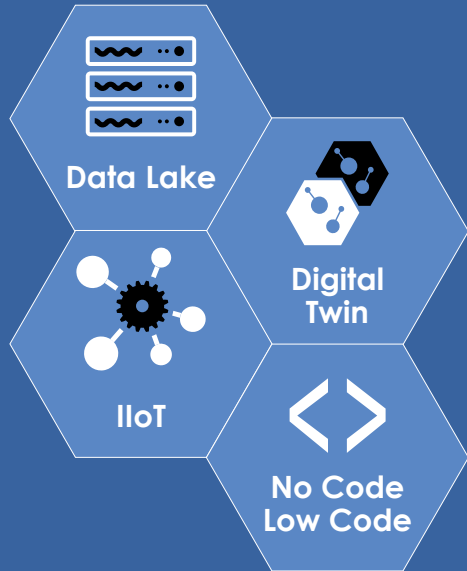
- Speed to Benefit
- Prescriptive Solution
- Entry Level
- Gap Coverage

QAD Labs

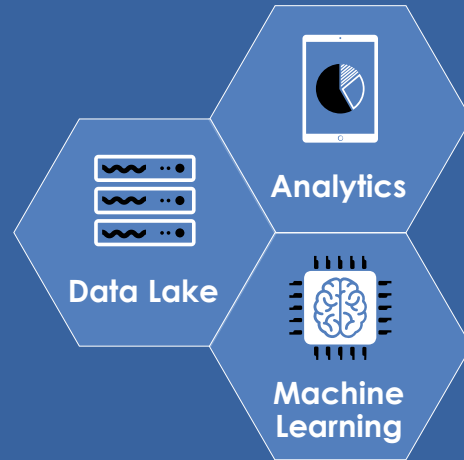


QAD Labs

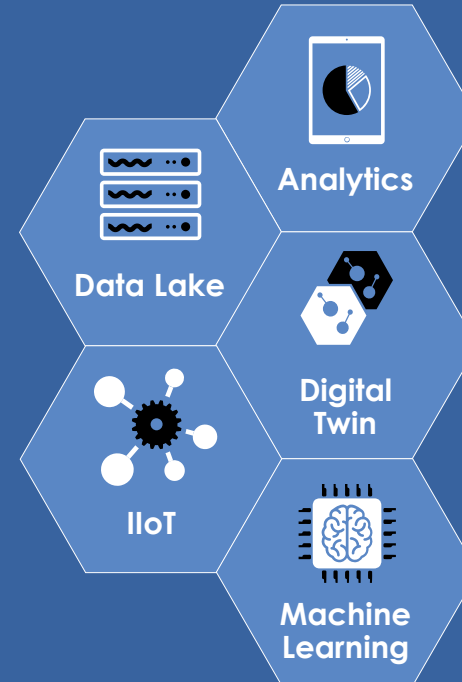
Production Execution



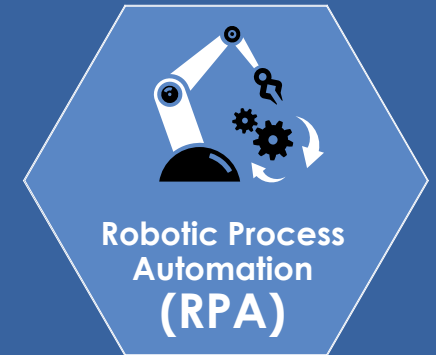
ML Assistants Planning, Operational Efficiency



Traceability



Process Automation



Research / Monitor

Educate / Evaluate

Innovate



Labs

Productize / Integrate

Automation Solutions Expansion and Enhancements

Action → Benefit

Summary

	Speed to Benefit	Prescriptive Solution	Entry Level	Gap Coverage
Engine Enhancement	✓			✓
Quick Start	✓		✓	
Library	✓	✓		✓
OEM Packages	✓	✓		✓
Base Warehouse	✓		✓	✓
Advanced Warehouse				✓

Questions and Answers

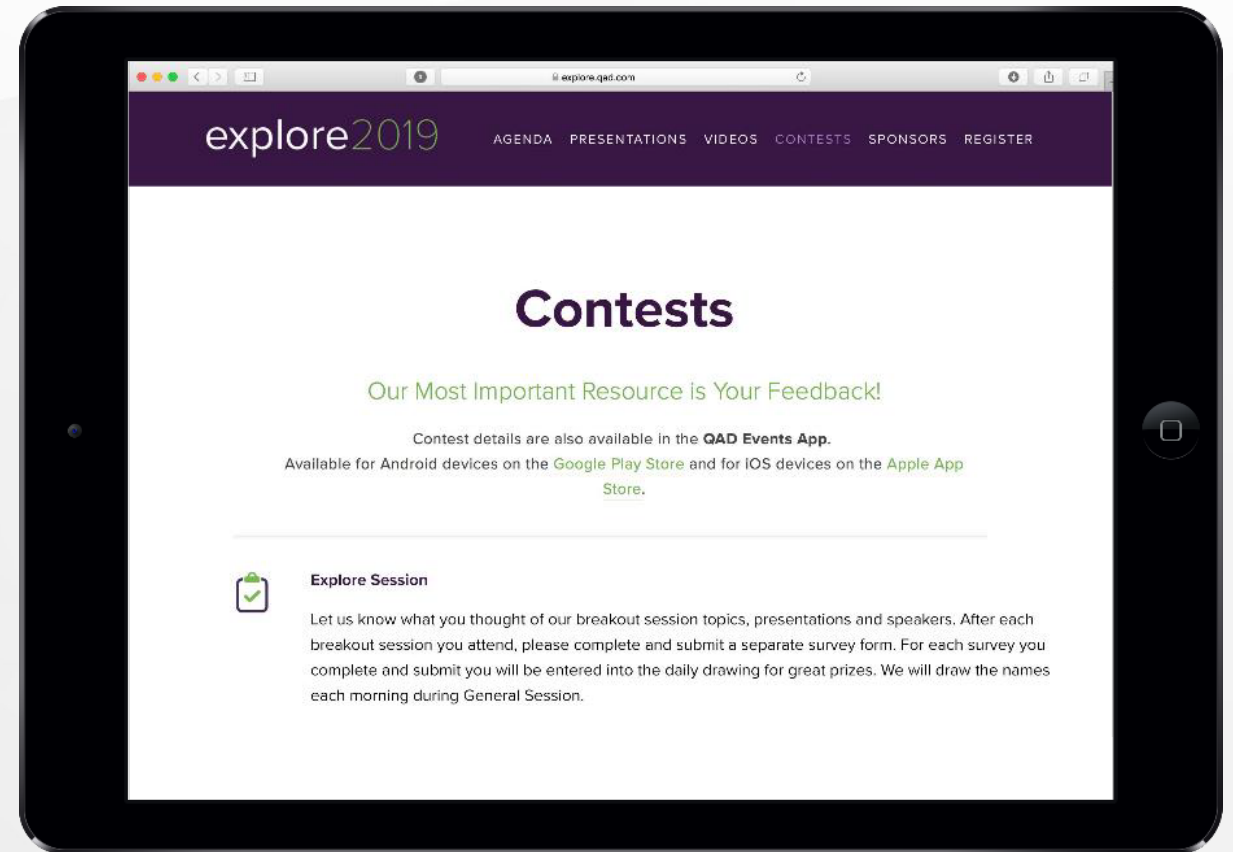


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