



# Process Automation

NFOGM Workshop

June 12, 2025



# Process Automation

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Workflow Automation & Key Industry Trends 02

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Use Cases and Standardization 03





# 01

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# Introductions



# Meet The Team



**Helge Pettersen**  
Product Advisor



**Magnus Valle Dahl**  
Senior Solution Architect



End-to-End Hydrocarbon Tracking from Reservoir to Billing

**25+** Years of Experience in Energy Accounting

**100+** Energy Customers Globally

**650+** Active Licenses Across 50+ Countries



Energy Allocation



Well Testing



Integrated Chemical Management



Emissions For Hydrocarbons

**Selected EC Upstream Key Features**



# 02

## Workflow Automation & Key Industry Trends



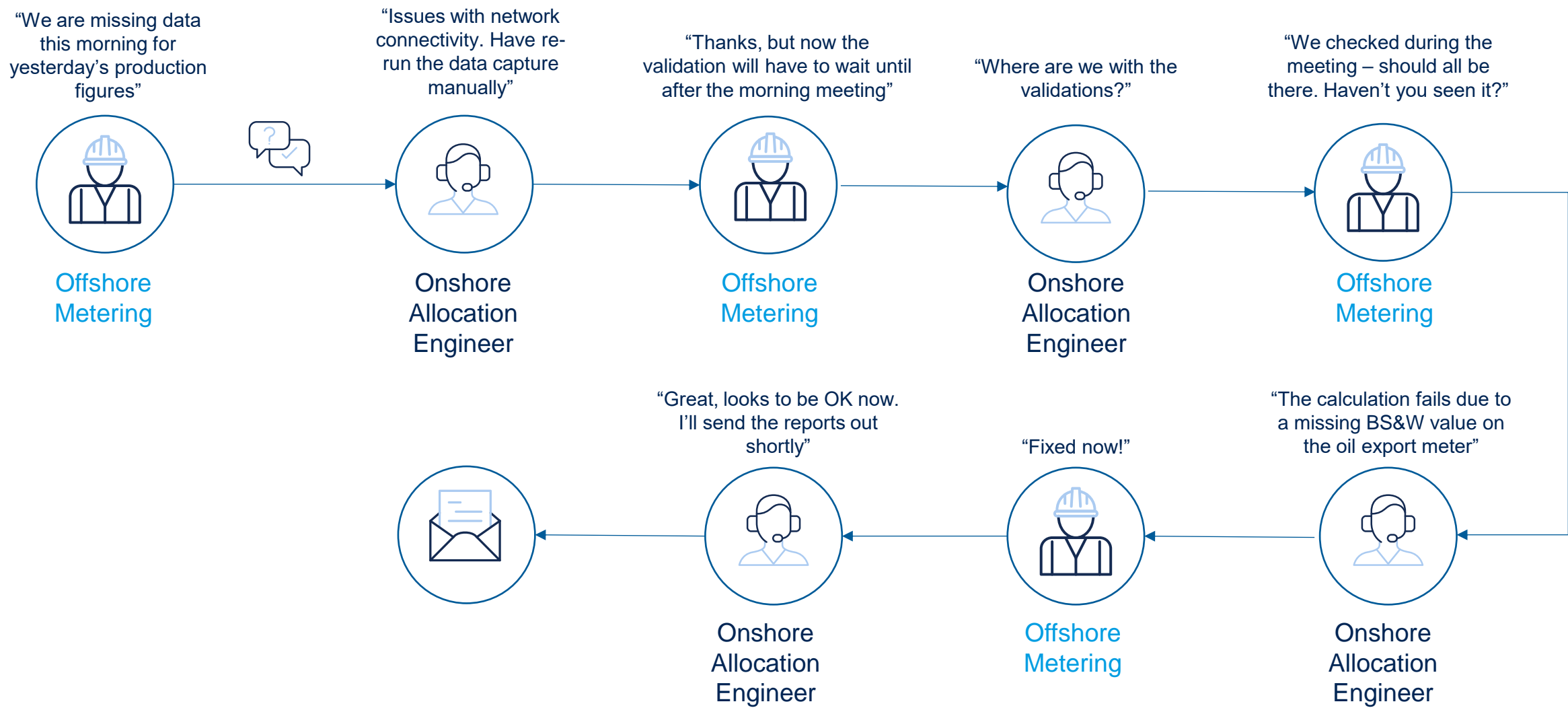


# Why Automate Allocation Workflows?



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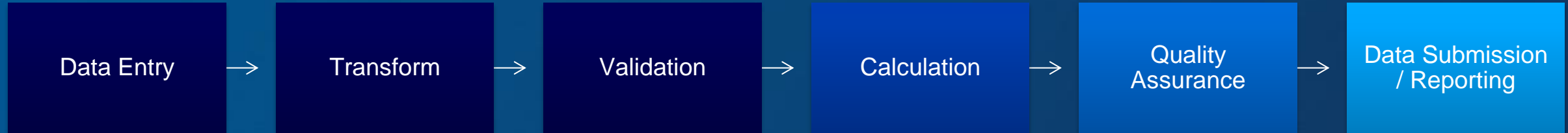
## Manual Process Example





# Why Automate Allocation Workflows?

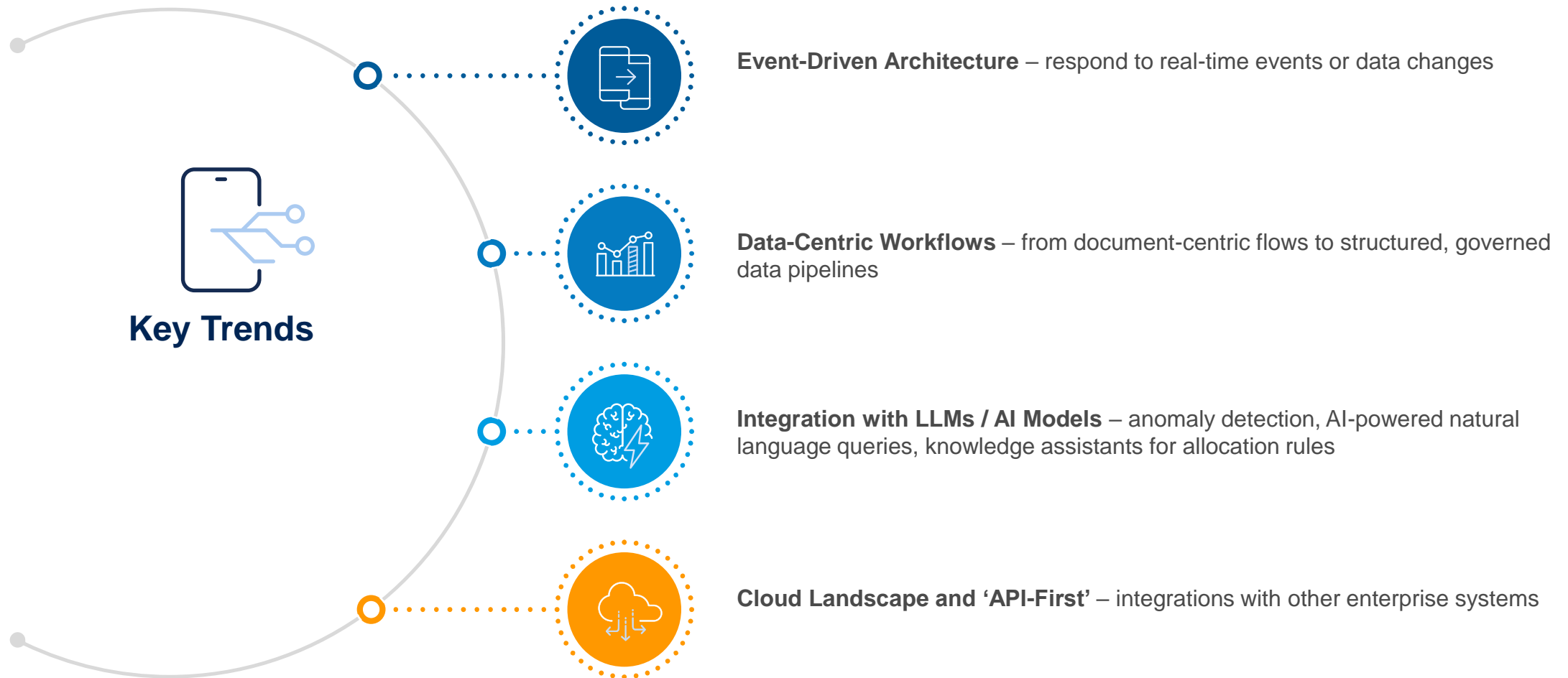
## General Workflow Characteristics



# Key Industry Trends



# Industry Trends Driving Automation





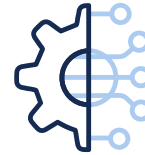
# AI Workflow Integration Use Cases

## Key Industry Trends



### Natural Language Query

Allow users to ask questions like “What was the total allocated gas volume for the Polar Bear A Platform last month?”



### Anomaly Detection

Flag suspicious values, stale meter readings, unexpected variations



### Using LLM to Categorize Production Losses

Log free-text descriptions or speech-to-text of production issues – integration with internal company Large Language Model (LLM) for automated coding and classification of lost production events

# Event-Driven Processes

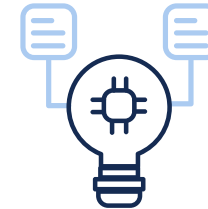
## Key Industry Trends



**Event**



**Trigger**



**Workflow Execution**



# 03

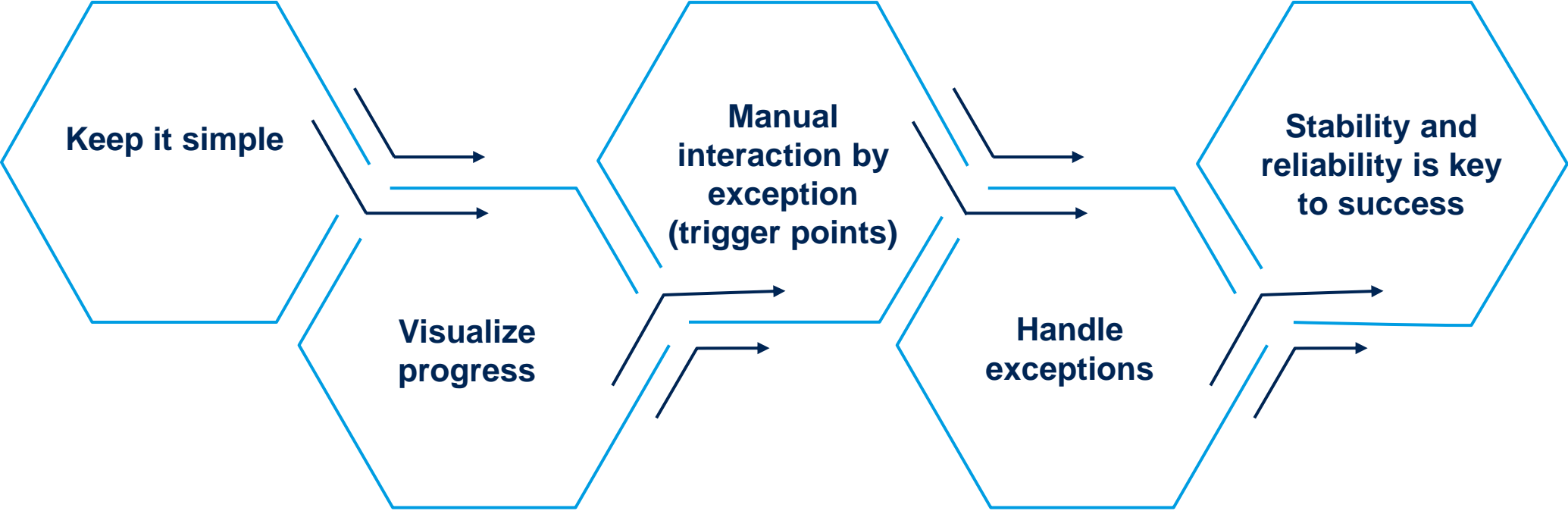
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## Use Cases and Standardization



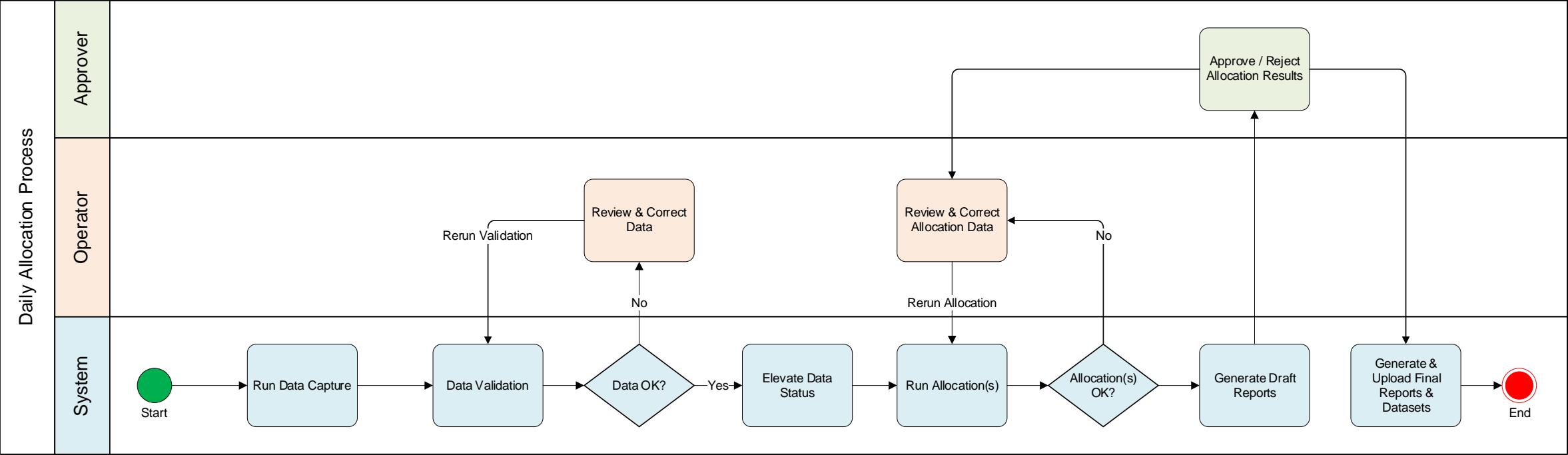
# Process Automation

## Reflections



# Process Automation

## Reflections



Keep it simple

Visualize progress

Manual interaction by exception (trigger points)

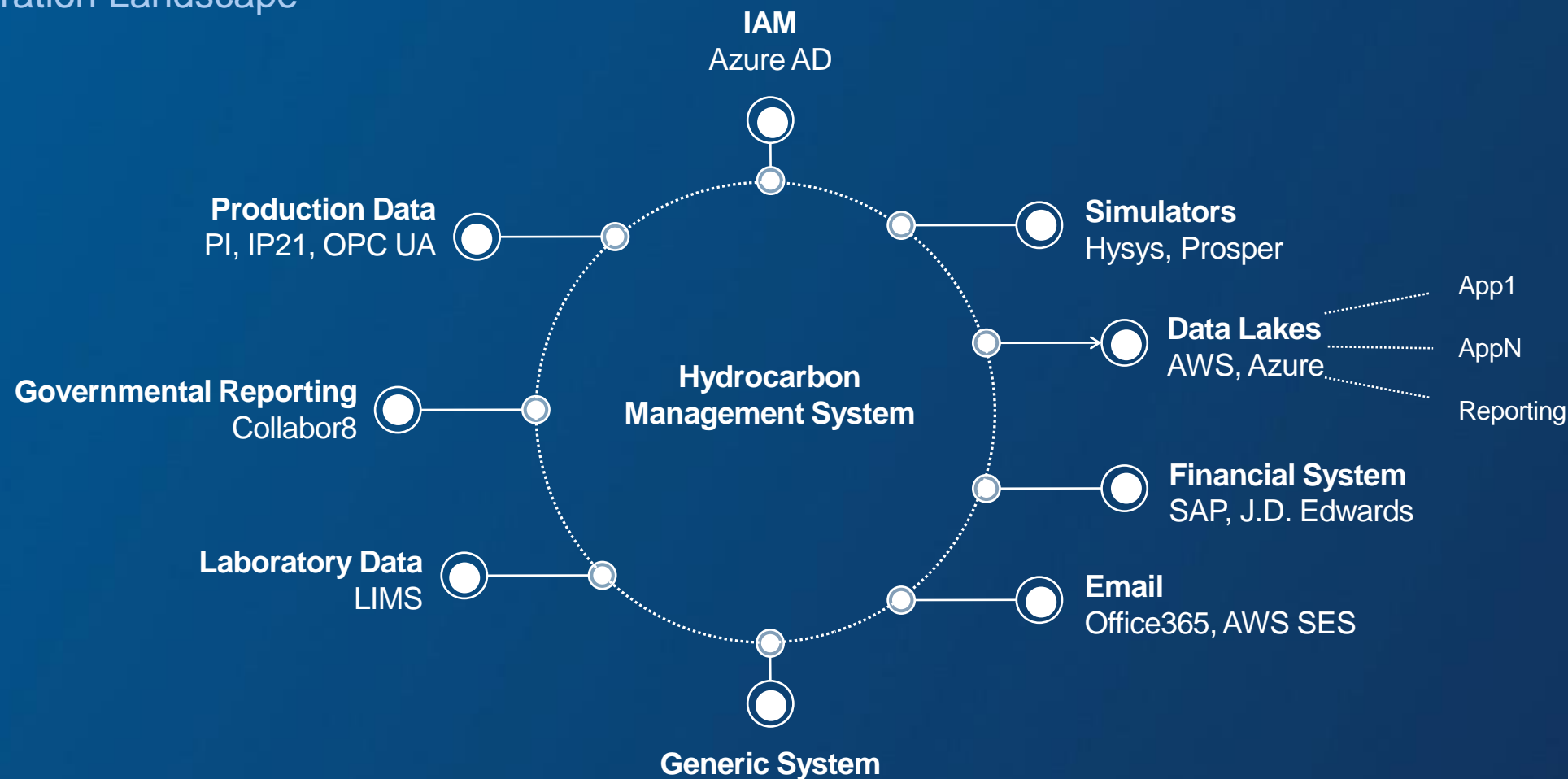
Handle exceptions

Stability and reliability is key to success



# Process Automation – Data Eco-System

## Integration Landscape







# Thank You!

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