



**Faster. Smarter.  
Autonomous.**

Real examples of AI Agents in action.

**UiPath**  
AGENTIC AUTOMATION

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# 01 Smart Purchase Agent

**Description:** An AI system automating end-to-end purchase request (PR) processing, including vendor negotiation and pricing optimization.

**Solutions:** UiPath Maestro | UiPath IXP | Integration Service | Data Service

-  Bot
-  Agent
-  Human

**High cycle time:** 5-7 days per purchase request

**Manual effort:** Time-consuming email analysis, follow-ups, and comparisons

**Continuous monitoring:** Constant need to monitor communications and approvals

**Error-prone:** Susceptible to errors with multiple transactions and data points

**Regular impact:** Affects multiple PRs and POs regularly

## HOW IT WORKS

-  Download approved PRs from SAP
-  Extract pricing data from vendor quotes using Document Understanding
-  Create pricing comparison sheet and vendor ranking based on historical performance
-  Negotiate with vendors following PO team's guidelines and product catalog
-  Involve PO team for further negotiation or approval if needed
-  Create PO in SAP and update PO tracker
-  Send confirmation email to Buyer

## BENEFITS

**Reduced cycle time:** Less than 2 days per PR

**Minimized manual effort:** 90% reduction

**Error reduction:** Nearly eliminated

**Enhanced negotiations:** Better pricing and vendor management

**Cost savings:** Without increasing staff

02

# Underwriting Processing Agent

- Description: AI-powered agent automating insurance underwriting, from data gathering to policy issuance, enhancing efficiency and reducing risk.
- Solutions: UiPath Maestro | UiPath IXP | Integration Service | Data Service



## Manual and time-consuming:

The underwriting process is labor-intensive

**Long SLA:** Policy issuance typically takes 5-20 days

**Complex steps:** Multiple stages, not all are rules-based

## Expert judgment needed:

Required for complex or high-risk cases

## High-volume impact:

Affects numerous insurance applications regularly

## HOW IT WORKS

- Submission:** Agent/broker submits customer info
- Storage and extraction:** Robot stores and extracts key fields
- Analysis:** Agent analyzes the case
- Risk assessment:** Agent determines risk and premium
- Expert review:** High-risk cases are escalated
- Policy creation:** System generates quote or policy
- Confirmation:** Customer receives email to sign

## BENEFITS

### Faster policy issuance:

Reduces time to less than 2 days

### Improved risk assessment:

Enhances accuracy and consistency

**Operational efficiency:** Minimizes manual effort

**Enhanced customer experience:** Focuses on complex tasks

03

# Intelligent Accounts Payable Processing Agent

**Description:** An AI-powered agent system that automates the end-to-end accounts payable process, from invoice receipt to payment, including discrepancy investigation and resolution.

**Solutions:** UiPath Maestro | UiPath IXP | UiPath Communications Mining | Apps Integration Service | Data Service

**Manual and slow:** Invoice processing is time-consuming

**High errors:** At least 20% of invoices have discrepancies

**Expert-dependent:** Rely on experts for exceptions

**Poor communication:** Inefficient vendor communication

**Volume:** 31.7 million invoices annually, 1.5 pages each

## HOW IT WORKS

-  **Data extraction:** UiPath IXP extracts invoice data
-  **Guideline interpretation:** Agent applies matching guidelines
-  **Data comparison:** Agent compares invoice data with SAP purchase orders
-  **Discrepancy investigation:** Agent explores discrepancies
-  **Discrepancy resolution:** Agent resolves issues or drafts communications
-  **System management:** The system handles the process, involving humans only when necessary

## BENEFITS

**Reduces manual work:** Minimizes human effort

**Speeds up processing:** Faster invoice handling

**Minimizes errors:** Reduces error rates

**Handles complex cases:** Manages difficult scenarios

**Improves vendor relationships:** Faster payment cycles and better communication



Bot



Agent



Human

04

# Network Cable Claim Handler Agent

- Description: Agent automating network cable removal claim validation through photo analysis, policy application, and human escalation for complex cases.
- Solutions: Computer Vision | GenAI-Activities | Apps | Integration Service



**High Volume:** The claim validation process handles about 40,000 claims per month

**Manual inefficiency:** The current system is time-consuming and validates less than 1% of claims (around 300 per month)

**Workload strain:** Seven claim validators are overwhelmed by the workload

## HOW IT WORKS

- Submission:** Workers submit claims with photos
- Download:** Robot saves the images
- Detection:** Object detection is performed
- Analysis:** Agent applies internal policies
- Approval/Escalation:** Agent confirms or escalates claims
- Final decision:** Updated in the system

## BENEFITS

**Increased volume:** Handles up to 40,000 monthly claims, compared to 300

**Faster resolution:** Speeds up the claim validation process

**Reduced workload:** Minimizes tasks for human validators

**Error reduction:** Ensures consistent and accurate claim processing

**Strategic focus:** Allows human validators to focus on complex cases

05

# Campaign Manager Agent

**Description:**

An AI-powered agent system that streamlines the entire end-to-end campaign process, from ideation to execution and performance monitoring, enhancing marketing agility and efficiency.

**Solutions:**

UiPath Maestro | UiPath IXP | Apps | Integration Service | Data Service  
Action Center | Visla | Salesforce

**Time-consuming:**

20+ hours per campaign

**High rework:**

60% due to grammar and typos

**A/B Testing:** Takes over 10 hours**Inefficient updates:** Multi-system and lead tracking**Regular impact:** Affects multiple campaigns

## HOW IT WORKS

**Idea:** Marketing manager submits**Record:** Agent creates in Salesforce, analyzes data**Business Case:** Agent generates for review**Content:** Agent creates upon approval**Review:** Content adjusted in Action Center**Automation:** Agent automates and syncs with Salesforce**A/B Testing:** A/B testing is conducted**Metrics:** Agent displays for optimization

## BENEFITS

**Reduces manual effort:**

Cuts campaign time from 20+ hours to a fraction

**Minimizes rework:**

Reduces content errors and rework

**Faster Go-to-Market:**

Accelerates campaign launches

**Improved responsiveness:**

Enhances market agility

**Strategic focus:** Allows teams

to focus on high-impact decisions



Bot



Agent



Human

06

# Software Testing and Defects Analyzer

Description: An Agent automates test result analysis, identifies exceptions, and manages defects, reducing manual effort and boosting efficiency in software testing.

Solutions: Apps | Integration Service | Jira

-  Bot
-  Agent
-  Human

**Time-consuming** manual analysis of test results

**High volume of test executions** (thousands) with a 10% failure rate  
Approximately 200 minutes needed to analyze 100 failed test cases

Challenges in identifying and managing exceptions and defects

## HOW IT WORKS

-  **Collects** test execution results
-  **Identifies and analyzes** failed test cases
-  **Determines** unique problems
-  **Reads open defects** from the management system
-  **Compares failed cases** to open defects
-  **Creates new defects** or adds comments to existing ones
-  **Sends a summary email** with context grounding

## BENEFITS

**Reduces manual effort by 95%,** from 200 minutes to 10 minutes for 100 failed test cases

**Accelerates defect resolution**

**Improves test coverage**

**Allows QA teams to focus on** more strategic tasks

**Enhances overall software quality** through consistent and thorough analysis

07

# Health & Safety Inspection Agent

**Description:** An AI-powered agent automates remote compliance inspections, generates detailed reports, and orchestrates resolution processes.

**Solutions:** Computer Vision | GenAI-Activities | UiPath IXP | Integration Service

Global companies **struggle with varying regulations**

Manual inspections are **time-consuming and error-prone**

Achieving 100% **compliance is difficult**

**Non-compliance risks** include penalties and reputational damage

Current process takes **1 day for inspection and 2-3 hours for a report**

**Issues take 20 days to fix**, with detection time up to half a year

## HOW IT WORKS

- Captures images of facilities** (using a mobile app)
- Extracts geolocation data** from image metadata
- Uses AI to detect** and classify potential issues
- Compares findings** with local laws
- Generates detailed compliance reports**
- Notifies responsible personnel** at impacted locations
- Tracks corrective actions** to ensure ongoing compliance

## BENEFITS

- Improved efficiency:** Reduces inspection time and costs
- Enhanced accuracy:** Minimizes human error with AI
- Proactive compliance:** Enables frequent, remote inspections
- Faster issue resolution:** Cuts fix time from 20 days to a fraction
- Better resource allocation:** Focuses resources on critical areas



08

# Logistic Penalty Processing Agent

- Description:** An AI-powered agent automates remote compliance inspections using image recognition, generating detailed reports and facilitating quick issue resolution.
- Solutions:** UiPath IXP | Integration Service | UiPath Autopilot for Everyone

**Global compliance:**

Varying regulations

**Manual inspections:**

Time-consuming, error-prone

**100% compliance:**

Difficult to achieve

**Risks:** Penalties, reputational damage, lost business**Current process:**

1 day inspection, 2-3 hours report

**Issue fix:** 20 days average, up to 6 months detection

## HOW IT WORKS

- ⌚ Receives penalty notices from customers
- ⌚ Analyzes penalty details and compares with order and delivery data
- ⌚ Checks customer delivery claims and contract clauses
- ⌚ Verifies previous communications regarding transportation/logistics issues
- ⌚ Decides to accept or reject each penalty based on analysis
- ⌚ Negotiates penalty amounts when accepted
- ⌚ Generates detailed explanations for accepted or rejected penalties
- ⌚ Communicates decisions back to customers

## BENEFITS

**Enhanced efficiency:**

Reduces inspection time and costs

**Improved accuracy:**

Minimizes human error

**Frequent inspections:**

Enables more regular checks

**Faster issue resolution:**

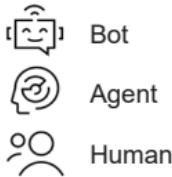
Reduces average fix time

**Risk reduction:** Decreases penalties and reputational damage

09

# Agentic Work Order Processing

- Description: An AI-powered agent streamlines work order processing for field technicians, boosting efficiency and reducing turnaround times in mining and natural resource industries.
- Solutions: UiPath Maestro | UiPath IXP | Integration Service | Data Service | SAP | SAP Ariba



- Manual, time-consuming** processing
- High delay** costs
- Limited** coordinator availability
- Error-prone** updates
- Complex** resource allocation

## HOW IT WORKS

- Field technician submits work order
- Agent processes work order
- Checks personnel availability and skillset in SAP
- Checks tool and parts inventory in SAP Ariba and databases
- Reviews site safety requirements
- Generates alternatives if resources are unavailable
- Schedules work order and updates systems
- Sends confirmation to field technician and coordinator
- Coordinator reviews alternatives if needed

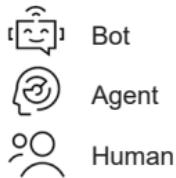
## BENEFITS

- Reduces turnaround times** from days to hours
- Enables 24/7 processing**
- Improves conversion rates** by up to 50% for out-of-office requests
- Minimizes errors** and reduces on-site costs
- Simplifies the process** and leads to significant cost savings

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# Systems Log Analyzer Agent

- Description: An AI-powered agent detects and prevents potential IT issues before they impact business operations.
- Solutions: GenAI Activities | WebSearch | Integration Service | ServiceNow



**High costs of unplanned downtime**  
(\$5,600 per minute for large enterprises)

**Significant expenses from cybersecurity breaches** (\$4.45 million average cost)

**IT teams spend 30-40% of their time** on reactive issue resolution

**Affects multiple IT systems** regularly

## HOW IT WORKS

- Continuously monitors and downloads log files
- Analyzes logs for critical issues
- Searches web and documentation for fixes
- Automatically creates tickets with errors and fixes
- Notifies IT staff before issues escalate
- Can be extended with Context Grounding

## BENEFITS

- Saves \$100K-\$300K annually for mid-sized businesses
- Offers 60-80% savings in log file analysis
- Reduces error investigation time by 30-50%
- Cuts ticket creation time by 50-70%
- Prevents downtime and cybersecurity breaches, improving system reliability and IT performance

# Multilingual Claim Validation

**Description:** An Agent automates multilingual medical insurance claims, improving efficiency, accuracy, and accessibility.

**Solutions:** UiPath Maestro | UiPath IXP | Integration Service | Data Service | SAP | SAP Ariba

-  Bot
-  Agent
-  Human

**Language barriers** delay claims and increase stress

**Disparities in healthcare access** for immigrants and non-native speakers

**Industry SLA: 3-5 days per claim**

**Manual processing:**

5-15 minutes, plus 10-15 minutes for translation

**Multiple steps and high error potential**

## HOW IT WORKS

-  Client submits claim in any language
-  Robot downloads and saves claim
-  AI translates and extracts key fields
-  Agent classifies and cross-matches claim
-  Agent approves or escalates
-  Manages escalations per SOP
-  Processes payment via automation
-  Sends confirmation email

## BENEFITS

- Reduces processing times from **days to hours**
- Eliminates language barriers
- Ensures consistent **quality**
- Improves customer **experience**
- Reduces operational **costs**

## 12 Recruit & Screening Agent

Description: An AI system automates candidate screening, enhancing efficiency and accuracy in job placements.

Solutions: UiPath Maestro | UiPath IXP

**Difficulty selecting suitable candidates**

**Risk of mismatched personnel**

**Potential decline in company credibility**

**Time-consuming manual screening**

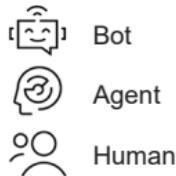
**Affects significant applications in a 4-trillion-yen industry**

### HOW IT WORKS

-  **Receives job applications and resumes**
-  **Performs initial screening** by credentials, job changes, location, industry experience, age
-  **Creates tailored interview questions**
-  **Records and transcribes** interviews
-  **Evaluates candidates** using predefined criteria
-  **Generates reports** and recommendations

### BENEFITS

- Improves screening efficiency and accuracy**
- Reduces time and effort** for initial screenings
- Creates consistent evaluation criteria**
- Identifies suitable candidates more quickly**
- Potentially reduces turnover** and improves client satisfaction



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# Merchant Registration Agent for Payment Service

- Description: An AI-powered system automates merchant registration, boosting efficiency, accuracy, and customer satisfaction.
- Solutions: UiPath IXP | Apps | Integration Service | Google Maps



**Long lead times** (3-5 days)

**High volume of manual work** and communication

**Time-consuming and costly** training for temps

**Need for human confirmation** and double-checking

**Difficulty adapting** to changing screening criteria

## HOW IT WORKS

- **Applicant submits** online application and documents
- **Agent digitizes** and reconciles data
- **Agent verifies store** using Google Maps
- **Agents perform checks and request** corrections if needed
- **Human reviewers confirm results** in Action Center
- **System registers merchant and sends** notifications upon approval

## BENEFITS

- Reduces registration time** from 3-5 days to hours
- Minimizes manual effort** and enhances accuracy
- Improves customer satisfaction** and reduces training costs
- Adapts easily** to changing criteria and scales efficiently
- Enhances operational efficiency** and scalability

# Strategic Product Procurement Alignment Agent

-  Bot
-  Agent
-  Human

**Description:** An AI-powered agent system automates parts selection and optimizes quality, cost, and delivery, enhancing efficiency and reducing design-procurement mismatches.

**Solutions:** UiPath IXP | Apps | Integration Service

**Inefficient product development**  
due to design-procurement  
mismatches

**High costs** in procurement and  
rework

**Delayed product launches**

**For a \$225M company:**

- 3,000 parts (10% of 30,000) considered for substitution
- 67,500 hours/year on manual processes
- \$2.1M in labor costs for manual processes

## HOW IT WORKS

-  **Updates value engineering** candidate lists and supplier info
-  **Reads and expands** design BOMs
-  **Extracts target** part specs
-  **Searches** for matching parts
-  **Evaluates QCD factors**
-  **Generates and ranks** part combinations
-  **Facilitates confirmation** from related parties

## BENEFITS

- Reduces per-part process time by 66%**
- Avoids potential losses** of up to \$1.28M per company
- Saves 45,000 hours** annually
- Reduces costs** by \$1.5M per company
- Industry-wide potential savings** exceed \$270M+

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# Purchase Validation Agent

- Description: An AI-powered agent automates purchase quotation reviews, price validation, and compliance checks, boosting procurement efficiency and accuracy.
- Solutions: UiPath IXP | Apps | Integration Service | Google | Rakuten



- Manual quotation review** takes 2-15 minutes per document
- Difficulty comparing quotation prices** with market rates, especially for unknown products
- Time-consuming cross-referencing** with company policies
- Affects multiple quotations** across purchasing departments

## HOW IT WORKS

- Buyer submits** quotation
- RPA preprocesses**
- IDP extracts** item info
- API scrapes** prices
- AI performs** price and conformance checks
- Agent validates** prices and **send results** to procurement officer
- Officer makes** final decision

## BENEFITS

- Reduces processing time** from 2-15 minutes to seconds or minutes
- Ensures consistent application** of company policies
- Identifies the most cost-effective purchases**
- Minimizes human error** in price comparisons and policy adherence
- Accelerates procurement decisions**, potentially saving costs

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# Supplier Offer Validation Agent

**Description:**

An AI-powered agent automates quotation analysis and standardization, streamlining bid assessment for construction projects.

**Solutions:**

GenAI Activities | UiPath IXP | Integration Service | UiPath Autopilot for Everyone

- Bot
- Agent
- Human

**Inconsistent formatting** of quotations from different suppliers

**Time-consuming manual process** of reorganizing and standardizing quote items

**Risk of knowledge loss** due to retirement of experienced staff

**Potential for errors** in manual assessment

**Affects multiple quotations** for each construction project

## HOW IT WORKS

- Quotations are received** and digitized
- Agent extracts key information** and standardizes items
- Reclassifies items** into a standardized format
- Creates a comparison table**
- Human experts review** and confirm
- System learns** from corrections

## BENEFITS

- Significantly improves efficiency** and accuracy of bid evaluation
- Reduces time** spent on manual quote standardization
- Ensures consistent assessment** criteria across all bids
- Preserves institutional knowledge** that might be lost due to staff retirement
- Streamlines the quotation assessment process**, potentially reducing processing time from days to hours

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# Production Line & Monitoring Agent

**Description:** An AI-powered agent system automates production line monitoring and troubleshooting, reducing downtime and improving efficiency.

**Solutions:** Integration Service

-  Bot
-  Agent
-  Human

**Machine breakdowns occur daily**, causing productivity loss and missed volume KPIs

**Experienced operators are retiring**, leading to knowledge loss

**Junior operators spend excessive time** consulting manuals and seeking advice

**Expert average troubleshooting time is 20 minutes**, while junior average is 50 minutes per incident

## HOW IT WORKS

-  **Monitors production line and IoT data**
-  **Detects errors and anomalies.**
-  **Analyzes issues with AI**
-  **Proposes repair options**
-  **Escalates complex issues**
-  **Logs repairs and updates knowledge base**
-  **Enters data into management systems**

## BENEFITS

- Reduces downtime** and improves manufacturing efficiency
- Cuts troubleshooting time** for junior operators from 50 minutes to 20 minutes
- Ensures standardized repair quality** and better resource planning
- Facilitates knowledge transfer** from retiring experts to junior staff
- Increases productivity** and reduces training costs

# Patent Analysis & Submissions Agent

Description: An Agent automates patent submission by analyzing proposals, detecting conflicts, and generating reports.

Solutions: UiPath IXP | UiPath Communications Mining | Apps | Integration Service | Data Service

-  Bot
-  Agent
-  Human

**Up to 5 IP proposals daily**  
**Review 50+ potential conflicts per proposal**  
**3-5 conflicts need further analysis**  
**2-4 week SLA, 30% error rate**  
**High demand for specialists**  
**Time-consuming, error-prone manual processes**

## HOW IT WORKS

-  **Customer submits** patent proposal via email
-  **Agent processes and identifies** relevant terms
-  **Agent searches** for correlated inventions using RPA
-  **Agent analyzes** potential conflicts
-  **Agent composes** final report with guidance
-  **Patent specialist verifies** and adjusts
-  **Confirmation email sent** to customer

## BENEFITS

- Increases processing capacity** by 40-50%
- Frees up to 50%** of specialists' time
- Reduces technology specialist intervention** by 80%
- Minimizes legal risks** and improves accuracy
- Enhances** customer and employee **satisfaction**

# Procurement Negotiating Agent

Description: An AI system that automates procurement tasks like price analysis, negotiation, and approvals to improve supply chain efficiency and reduce costs.

Solutions: UiPath Maestro | Apps | Integration Service | Data Service

-  Bot
-  Agent
-  Human

**Manual price update reviews** take an average of 2 hours

Negotiation approaches are **inconsistent**

Data handling is **error-prone**

Approval process involves **multiple manual steps**

Industry average SLA for **price update processing is 1 day**

## HOW IT WORKS

-  **Supplier submits** price updates via email
-  **Robot extracts** item details
-  **Agent benchmarks** and validates prices
-  **Agent negotiates** if needed
-  **Agent posts analysis** to procurement portal
-  **Procurement analyst reviews**
-  **Manager approves** via app
-  **System confirms** with supplier

## BENEFITS

- Reduces average handling time** from 2 hours to minutes
- Ensures consistent negotiation approaches**
- Minimizes errors** in data handling
- Provides better visibility** with a comprehensive dashboard
- Potential for cost savings** and improved supplier relationships

# Medical Pre-Authorization Validation Agent

Description: An AI-powered system streamlines insurance pre-authorization, reducing delays, improving accuracy, and enhancing patient experience.

Solutions: UiPath Maestro | UiPath IXP | Integration Service | Data Service

-  Bot
-  Agent
-  Human

## Delays in approvals

(industry average SLA: 5-10 days, plus 7-30 days for denials)

**High administrative costs** due to manual processes

**Lack of standardization** across insurers

**Frequent denials and rework**

**Limited automation** in existing systems

## HOW IT WORKS

-  **Agent checks** if pre-authorization is needed
-  **Agent gathers** required information
-  **Robot creates the pre-authorization request**
-  **Agent follows up** and appeals denials
-  **Agent schedules** service if approved
-  **Robot handles follow-ups** and info gathering

## BENEFITS

**Reduces approval time** to hours or minutes

**Enhances patient satisfaction** with faster treatment initiation

**Lowers administrative costs** for providers and payers

**Minimizes errors** and denials through standardized processes

**Improves overall healthcare delivery experience**

## Learn more

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