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Autonomous.
Real examples of AI Agents in action.
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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.

Products: RPA I Agents I Agentic Orchestration I UiPath IXP I Integration & Data Service

BUSINESS PROBLEM

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.

Products: RPA I Agents I Agentic Orchestration I UiPath IXP I Integration & Data Service

BUSINESS PROBLEM

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.

Products: RPA I Agents I Agentic Orchestration I UiPath IXP I Comms Mining Apps I Integration & Data Service

BUSINESS PROBLEM

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: Intelligent Document Processing extracts invoice data.

Guideline Interpretation: Agent 1 applies matching guidelines.

Data Comparison: Agent 2 compares invoice data with SAP Purchase Orders.

Discrepancy Investigation: Agent 3 explores discrepancies.

Discrepancy Resolution: Agent 4 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.

04 Network Cable Claim Handler Agent

Description: AI agent automating network cable removal claim validation through photo analysis, policy application, and human escalation for complex cases.

Products: RPA I Agent I Computer Vision GenAI Activities I Apps I Integration Service

BUSINESS PROBLEM

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.

Products: RPA I Agents I Agentic Orchestration I UiPath IXP I Apps I Integration & Data Service Visla I Salesforce

BUSINESS PROBLEM

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.

06 Software Testing and Defects Analyzer

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

Products: RPA I Agent I Apps I Integration Service I Jira

BUSINESS PROBLEM

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.

Products: RPA I Agent I Computer Vision GenAI Activities I IXP I Integration Service

BUSINESS PROBLEM

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 in-spection** 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.

Products: RPA I Agent I IXP I Integration Service I Autopliot

BUSINESS PROBLEM

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

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

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.

Products: RPA I Agents I Agentic Orchestration I UiPath IXP I Integration & Data Service I SAP I Ariba

BUSINESS PROBLEM

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

10 Systems Log Analyzer Agent

Description: An AI-powered agent detects and prevents potential IT issues before they impact business operations.

Products: RPA I Agents I GenAI activities Websearch I Integration Service I Servicenow

BUSINESS PROBLEM

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 using LLM.

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.

11 Multilingual Claim Validation

Description: An AI agent automates multilingual medical insurance claims, improving efficiency, accuracy, and accessibility.

Products: RPA I Agents I Agentic Orchestration I UiPath IXP I Integration & Data Service I SAP I Ariba

BUSINESS PROBLEM

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.

Products: RPA I Agents I Agentic Orchestration I UiPath IXP

BUSINESS PROBLEM

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.

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.

13 Merchant Registration Agent for Payment Service

Description: An AI-powered system automates merchant registration, boosting efficiency, accuracy, and customer satisfaction.

Products: RPA I Agents I UiPath IXP I Apps I Integration Service I Google maps

BUSINESS PROBLEM

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 A digitizes and reconciles data.

Agent B 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.

14 Strategic Product Procurement Alignment Agent

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

Products: RPA I Agents I UiPath IXP I Apps I Integration Service

BUSINESS PROBLEM

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+

15 Purchase Validation Agent

Description: An AI-powered agent automates purchase quotation reviews, price validation, and compliance checks, boosting procurement efficiency and accuracy.

Products: RPA I Agents I UiPath IXP I Apps I Integration Service I Google I Rakuten

BUSINESS PROBLEM

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 regularly across purchasing departments

HOW IT WORKS

Buyer submits quotation

RPA preprocesses

IDP extracts item info

API scrapes prices

AI performs price and conformance checks

Agents validate prices

Results sent 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

16 Supplier Offer Validation Agent

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

Products: GenAI activities I IXP I Integration Service I Autopilot

BUSINESS PROBLEM

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.

The agent extracts key information and standardizes items.

Items are reclassified into a standardized format.

A comparison table is created.

Human experts review and confirm.

The 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.

17 Production Line & Monitoring Agent

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

Products: RPA I Agents I Integration Service

BUSINESS PROBLEM

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.

18 Patent Analysis and Submissions Agent

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

Products: RPA I Agents I UiPath IXP I Comms Mining I Apps I Integration & Data Service

BUSINESS PROBLEM

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.

19 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.

Products: RPA I Agents I Agentic Orchestration I Apps I Integration & Data Service

BUSINESS PROBLEM

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.

AI agent benchmarks and validates prices.

Agent negotiates if needed.

Agent posts analysis to procurement portal.

Procurement analyst reviews.

Manager approves via Agentic 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.

20 Medical Pre-Authorization Validation Agent

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

Products: RPA I Agents I Agentic Orchestration I UiPath IXP I Integration & Data Service

BUSINESS PROBLEM

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

Agent1 checks if pre-authorization is needed.

Agent2 gathers required information.

A bot creates the pre-authorization request.

Agent3 follows up and appeals denials.

Agent4 schedules service if approved.

Bots handle 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.