

Automation Capabilities

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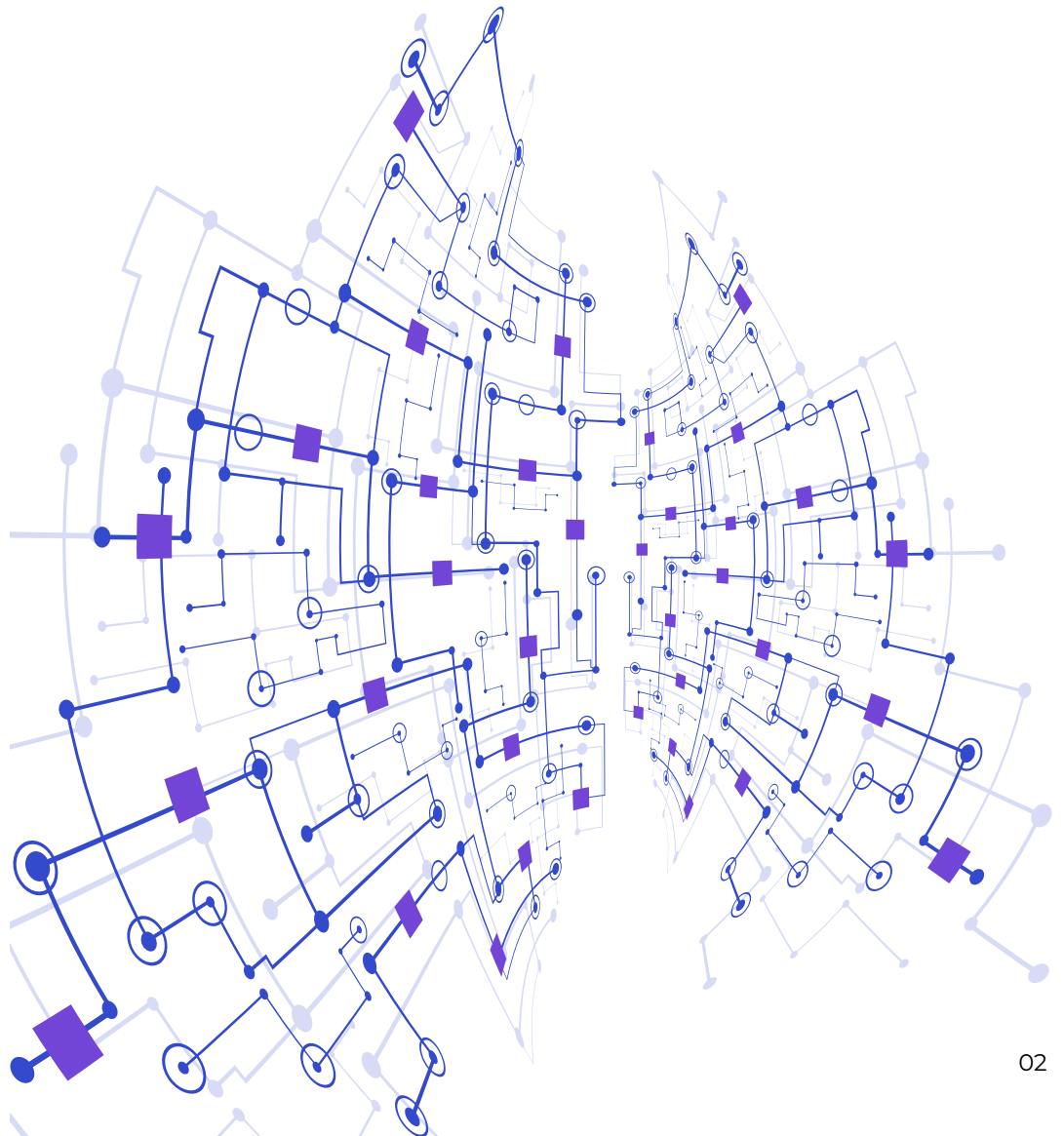
Introduction

Welcome to the

World of Operational Intelligence

Transform your operations with ADIS — Cogneesol's proprietary BPM 4.0 framework designed to move beyond traditional process management. ADIS empowers organizations with adaptive, intelligent, and scalable solutions that elevate performance, enhance decision-making, and create future-ready operational excellence.

Built for modern enterprises, ADIS integrates automation, analytics, and dynamic workflows to deliver continuous optimization across every touchpoint. It enables businesses to anticipate challenges, respond faster, and operate with greater precision — all while reducing inefficiencies and unlocking new levels of agility. With ADIS, your operations don't just function; they evolve, innovate, and lead.





AI-Driven Col Generation Solution

Background

The Certificate of Insurance (COI) verifies an active insurance policy and outlines key coverage details like policyholder information, limits, effective dates, and additional insureds.

The Truckers' COI process was highly manual — involving email sorting, data entry, and COI generation — making it time-consuming and prone to errors.

Context/Ask

The goal was to automate the COI issuance process to:

- Eliminate manual steps in data retrieval and validation.
- Reduce processing time and errors.
- Enable real-time tracking and reporting through integrated automation.

Scope

To design and implement an end-to-end automated solution for COI issuance, integrating email processing, data extraction, validation, COI generation, and real-time reporting to eliminate manual intervention and improve efficiency.

Approach devised and deployed: 2 - Layer Automation Framework

Outlook Automation

Email Retrieval: Automatically fetch emails from Outlook..

Data Extraction: Use Deep Learning models to identify and extract key data points.

Data Storage: Store structured data in a centralized database.

Workflow Automation



Email Processing:
ML-powered extraction and validation using WinForms.



Exception Handling:
Flag incomplete or missing data.



PAD Flow Integration:
Process data within the insurance application.



Insurance App Interaction:
Retrieve, validate, and update client system data.



COI Generation & Dispatch:
Automatically create and email COIs.



Dashboard Integration:
Use Power BI for live reporting and insights.