Custom API Integration Platform For a Real Estate Unicorn Startup

How automating everyday interactions between key applications enabled a real estate startup to slash data processing costs by 60% and save up to 30 hours per employee monthly.

avenue one

WEB DEVELOPMENT

Industry:

Real estate

According to McKinsey, up to 69%* of data collection and processing tasks can be fully automated. Meanwhile, without

Business challenge

automation, they become significant drains on time and resources. Avenue One, a rapidly growing **US-based real estate startup**, discovered it firsthand. Doubling down on scaling their single-

family rental (SFR) service platform, they put process automation on the back burner until it began to impact productivity.

time — 20 to 30 hours each month per person. But the time loss was just the tip of the iceberg. The manual operations: Created delays due to lack of real-time data exchange between the systems

Manual data checks, follow-ups, and the constant back-and-

forth between different tools ended up wasting employees'

- Led to inconsistent, error-prone data Increased **complexity** for the staff, forcing them to juggle
- several tools constantly
- All these problems arose from the lack of seamless, automated communication

Given Avenue One's AWS-based event-driven architecture, No in-house personnel choosing event-driven automation and connecting disparate apps through a custom multi-tool API integration was a to take on this side project without trade-offs in product

between the client's most-used tools, including Monday.com, Box.com, SiteCapture,

Spruce, and Qualia.

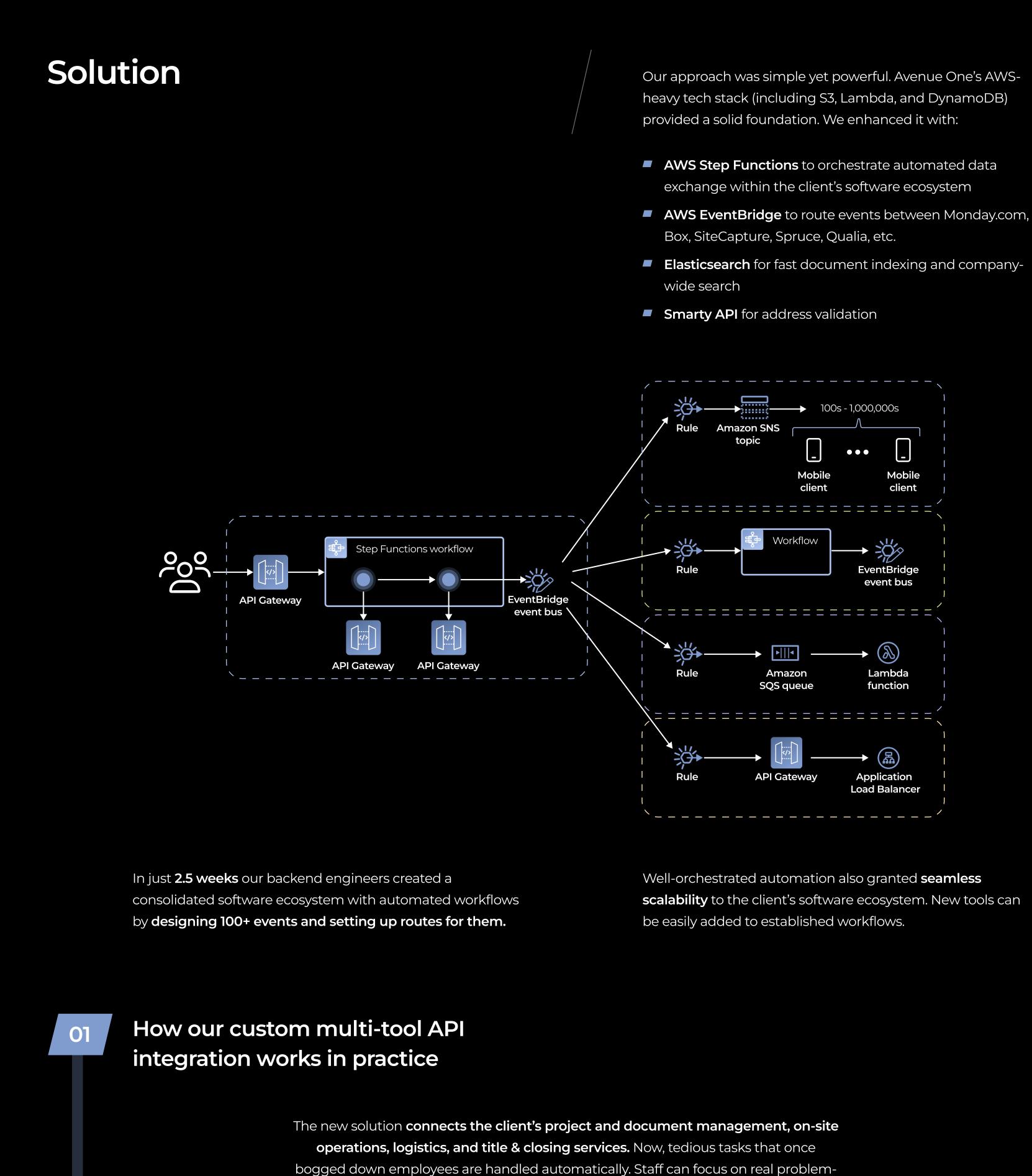
quick-win option. Nevertheless, this win was not easy to achieve due to other challenges:

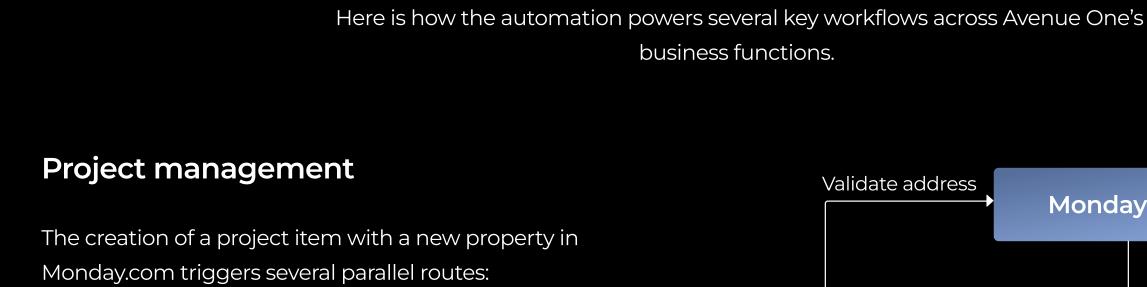
needed to be done ASAP.

No time to hire new specialists on the core team, as automation

development.

Expanding their in-house team with external experts was the fastest way to get things moving.





Create folder ■ Lambda validates the address via Smarty API and updates the property's entry A new project folder is created in Box.com for all related documents A corresponding new project entry is created in Box.com SiteCapture for on-site inspectors

solving and strategic decision-making.

Smarty API

same page.

New address

of the apps.

Spruce

Order title search

Validated address

Document management

An upload of a new contract, inspection report, etc., to

Amazon Textract extracts text from documents

■ The document and its metadata are indexed in

Elasticsearch for fast company-wide search

Box.com kicks off a route for automatic document indexing:

That way, new documents become searchable company-

wide within seconds after they've been uploaded into any

Update status

Monday.com

Box.com

Save docs

Spruce → Box.com / Monday.com

Smarty API → automatic validation

(automatic forwarding +

notifications)

On-site operations

Create site project

SiteCapture

Tag the item

for staff review

Cannot verify

the address

Monday.com

When an on-site inspector uploads the property's photos in

■ The photos are copied to Box.com to ensure all project

A corresponding item in Monday.com is updated with a

That way, essential information on the project is never lost,

and on-site workers and office personnel always stay on the

Monday.com

Smarty API

Can verify the address

link to the photos (from Box.com or SiteCapture)

SiteCapture, this event sets off two parallel routes:

files are backed up in the cloud

Index data

Elasticsearch

SiteCapture

Photo uploaded

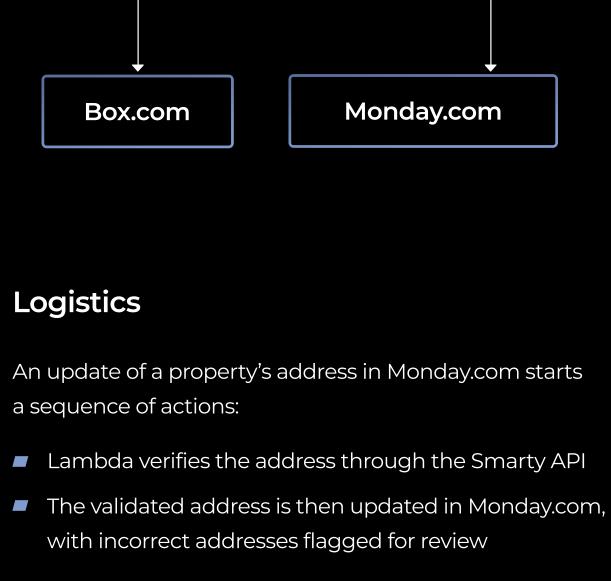
Photo uploaded

Key property's data is indexed in Elasticsearch for

That way, staff from different departments can **access**

error-free data on the new project within seconds.

immediate searchability



Box.com

Index content

Elasticsearch

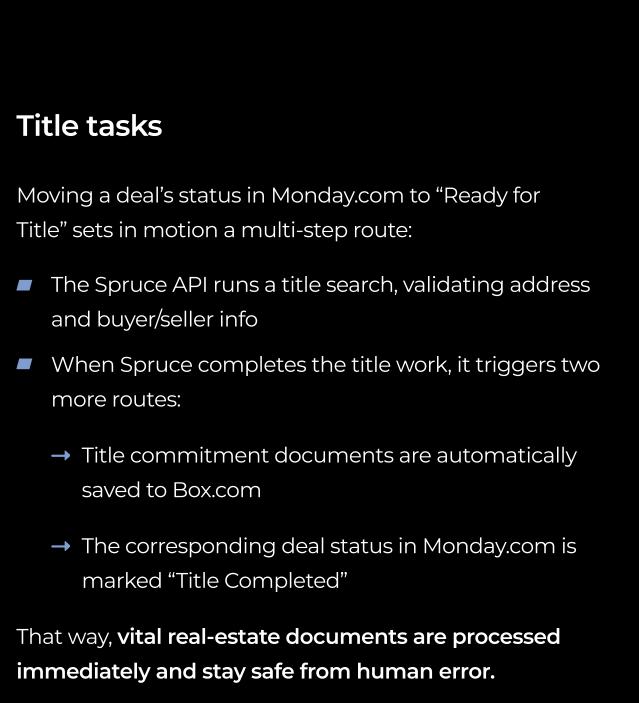
Update info

Monday.com

02

That way, all addresses are correct from the onset,

eliminating the risk of transaction delays.



Here's how API integration streamlined

our client's daily workflows

Uploading title documents

Address validation

10 minutes here and 15 minutes there don't look like a big deal. That's how our client **wasted hours** on repetitive mundane Until you do the math: 10 min × number of times an employee tasks daily. Now all these actions are done in milliseconds repeats this action throughout the day × number of employees. without human input. Before (manual) Now (automated) **Process** Adding photos from on-site inspectors Webhook → EventBus → Box.com / 15-20 minutes to Box.com and Monday.com Monday.com Copying photos from SiteCapture

in Monday.com

to Box.com and updating the deal

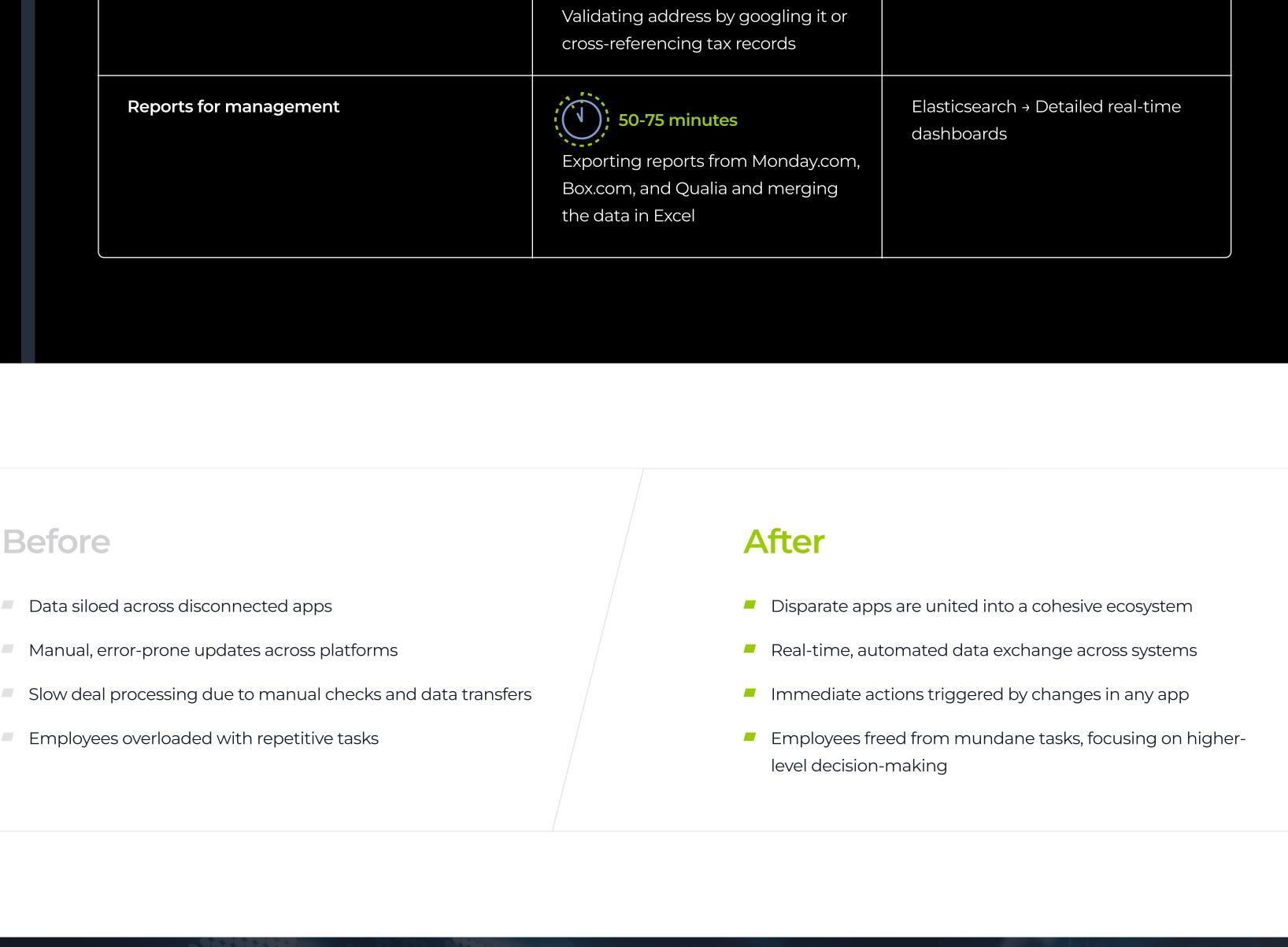
Verifying buyer/seller info, uploading

updating deal status in Monday.com

title documents to Box.com, and

20-30 minutes

10-15 minutes



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Business value

Real-time data exchange across platforms 60% reduction in data processing cost

adapts to new tools and processes

- Up to 30 hours saved per employee monthly Minimized risk of human error

A completely unified and highly scalable software ecosystem that

The team demonstrated effective project management, timely delivery, and responsiveness to our needs. They established open communication to facilitate ongoing dialogue and held regular sprint meetings to keep stakeholders informed and engaged throughout the development process.

Alisa Delikatna

COO, LeanSquad Software

on the Avenue One project)

(*instinctools' supervising partner

Multiplier effect

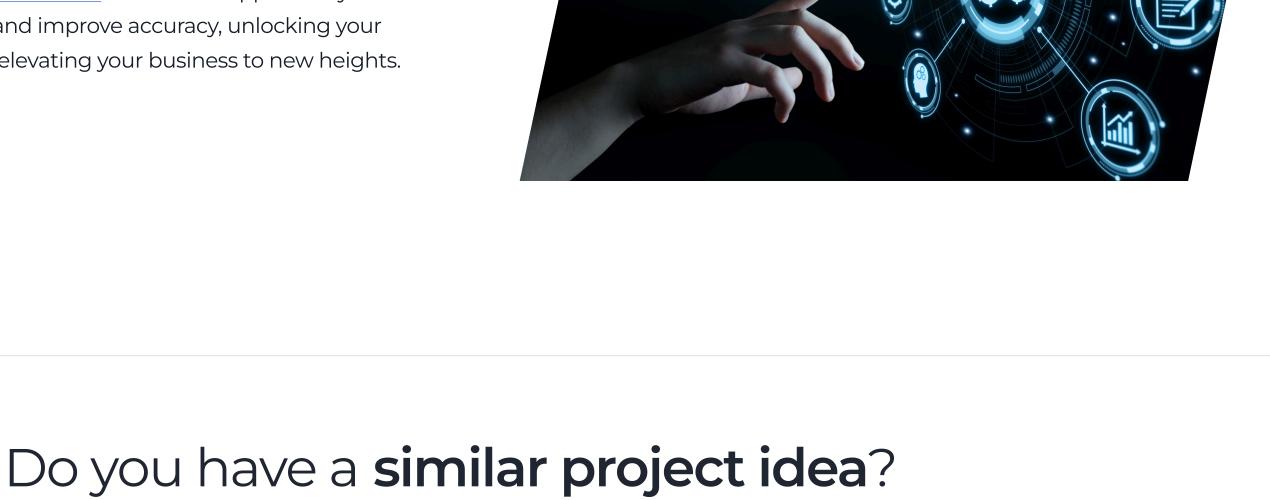
Client's testimonial

The problem of wasting employees' potential on dull work refers to industries across the board. It's easy to overlook the time AUTOMATION spent on small tasks, but when you add it all up over weeks or months, the cost becomes significant. Luckily, **process automation**, in all its forms — from API

integrations to <u>Al agentic solutions</u> — offers an opportunity to

save time, reduce costs, and improve accuracy, unlocking your

team's full potential and elevating your business to new heights.



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