

How You Can Use AI to Benefit Your Business

Many organizations believe artificial intelligence (AI) is fundamental to their future success, but don't know how to apply it to their business or even where to start.

Here's a hypothetical illustration of how one company implemented AI to remedy a specific problem, which in turn bolstered its business capabilities and drove favorable outcomes. This journey is representative of steps real-life organizations have taken to integrate AI within their business models — and shows how you can do it, too.



How a Manufacturing Company Used RPA to Improve Its Order Processing Rate Sevenfold

Company
Semiconductor Manufacturer

Industry
Technology, Manufacturing

Size
150 employees

7x

INCREASE IN
PROCESSING RATE




8%

INCREASE IN ORDER
ACCURACY RATE

Challenges

A Semiconductor Manufacturing Co. performed manual entry and validation of all electronic data interchange (EDI) orders. When the volume of orders skyrocketed to thousands daily, they were unable to keep up with growing demand.

The Company Needed Help

-  Automating manual processes
-  Developing custom tools to meet growing demand
-  Increasing efficiency and employee productivity



Solution

The Semiconductor Manufacturing Co. utilized robotic process automation (RPA) to eliminate manual validation of 47 data points for order completeness.



RPA enabled them to...

- ✓ Automate routine tasks
- ✓ Streamline efficiencies
- ✓ Increase order accuracy
- ✓ Lower overhead



How They Got There

The company thought AI could help them automate key processes and alleviate their operational burdens, but they didn't know where to begin.



They turned to a strategic advisor for help jumpstarting their journey.

Step 1: Advisory

Envisioning an AI Future

A strategic advisor helped the company organize and plan.



Prioritize their projects and identify a use case...

Align use case with overall business objectives...

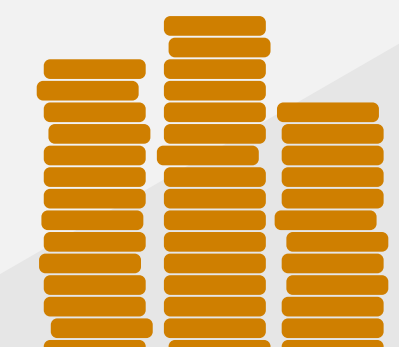
Define success criteria and performance metrics...

Formalize AI objectives and align with business strategies...

Step 2: Foundation

Collecting, Organizing and Measuring Data

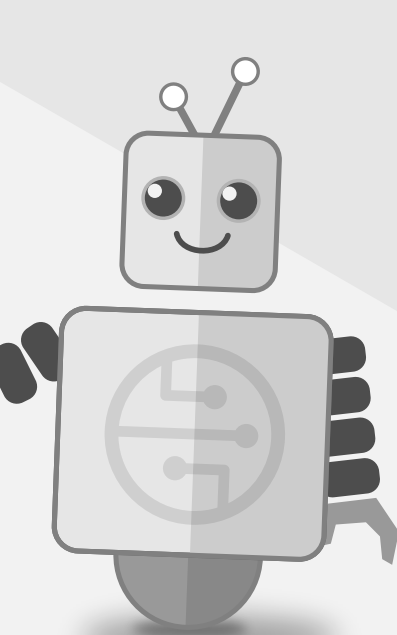
- Experts evaluated the company's current data infrastructure alongside the data requirements of the company's ideal future state and established data collection and governance strategies.
- Using dataset exploration and profiling, the company's strategic advisor collected, organized and measured their data to gauge AI deployment readiness.



Step 3: Development

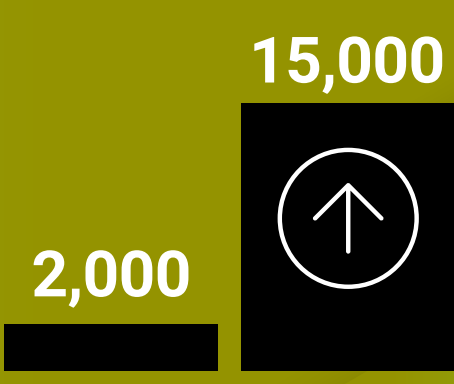
Implementing Tailored Business Solutions

- Using custom AI development, testing and optimization, experts built an RPA solution in line with the company's needs and implemented it across the organization.



Results

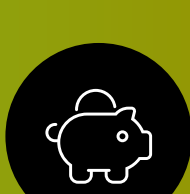
The Semiconductor Manufacturing Co. increased the number of orders they could process — capacity skyrocketing from 2,000 to 15,000 orders per month. The organization also realized an immediate and dramatic improvement on order management accuracy.



They also yielded measurable benefits such as:



Valuable time saved



Cost savings without adding more employees



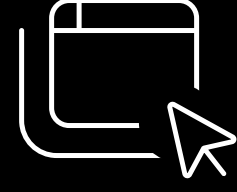
Reduced number of processing errors



Increased employee retention and morale

Looking to realize similar results?

Armanino can help you reach your goals and transform the way you do business with AI technology designed to meet your specific objectives.



To learn more, visit our AI page.

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