## INDUSTRIAL AUTOMATION: THE COST OF DOING NOTHING

to grow to \$389.05 billion by 2029 and early adopters are gaining a competitive edge. As a result, failing to adopt this technology at such a crucial

The global industrial automation market is projected

juncture can prove costly for your business.

an up to 50% cost premium. In this analysis we explore that by delaying your investment in this cutting-edge technology, your organization will face numerous high, hidden costs related to labor, productivity, and safety.

In turn, the cost of doing nothing has become significant –

The High Cost of Not Automating



#### REMAIN UNFILLED COULD COST THE U.S. **ECONOMY:**

A. Employment Costs: Costs associated with hiring, retaining, and losing employees add up quickly: sick days, training costs, benefits coverage, employer contributions to healthcare, etc.

**Skyrocketing Labor Costs** 

THE IMPACT OF MANUFACTURING JOBS THAT

50%+

\$1 Trillion +



#### Labor shortages rank in the top 4 greatest challenges facing

**B. Labor Shortages** 

manufacturing, transportation, and supply ...and over 50% cite employee chain leaders... retention as their single biggest challenge.

Around 8 in 10 manufacturing executives surveyed stated that not filling jobs has a

moderate to very high impact on maintaining production levels.

C. Wage Inflation

Meanwhile, wages for manufacturing workers are steadily rising:



AND COST ABOUT \$7,000 TO REPLACE A WORKER.

IN 2022, THE AVERAGE TURNOVER RATE IN THE



### As a result, 23% of unplanned downtime is caused by **human error** alone.

lower morale, and employee turnover.

every year since 2015.

**= THE AMOUNT UNPLANNED DOWNTIME CAN COST** \$50 Billion

Boredom associated with repetitive, mundane tasks can be linked to errors, safety issues,

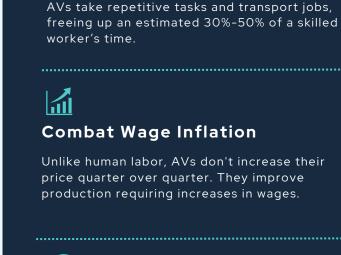
Labor productivity in the warehousing and storage industry has decreased

23%+



INJURIES IN THE U.S. IN 2019.

The Benefits of Investing in Industrial Automation



Address Labor Shortages

Alleviate High Labor Turnover

AVs don't require extensive and costly training,

plus reduce the number of employees that do.

They also help alleviate boredom, which

REPETITIVE DRIVING.

reduces the likelihood of employee churn.



AVs work continuously, respond quickly to

unplanned events, and mitigate the risk of

human error. They also collect and analyze data to predict potential equipment failures.

There are zero known AGV-related injuries

and the use of AVs in material handling can

actually reduce accidents by up to 90% by

removing workers from dangerous situations.

**ASSUMPTIONS:** 

Wage: \$5,000

• AMR Monthly Cost: \$2,400 Skilled Worker Monthly

• Skilled Worker Time on

One AMR would allow 3

workers to reallocate 33% of their time, for less than ½ the

**= THE TOTAL COST OF PREVENTABLE WORKPLACE** 

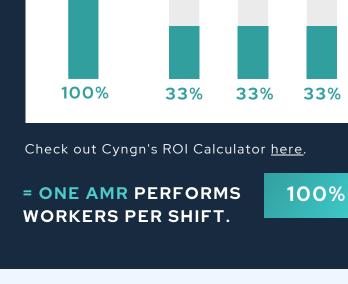
**Reduce Downtime** 

**Improve Safety** 

# By tapping into the power of AV technology, your business can immediately

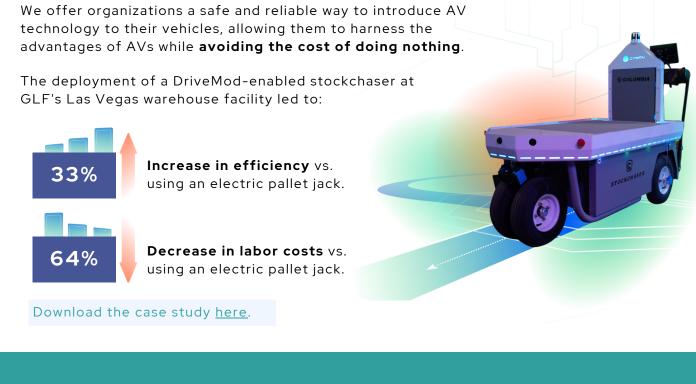
THE AVERAGE WORKER SPENDS 1/3RD OF THEIR SHIFT ON

realize the advantages related to labor cost savings, enhanced productivity, and increased safety.



Repetitive Driving Per Shift: 33% Number of Shifts = 1 **CONCLUSION:** 

OF THE DRIVING OF 3



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