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Case study: Automation influence on logistics and warehousing business sector

Patricio Rodriguez and Tariq Tashtoush
Texas A&M International University, USA

Shipping and handling costs account for 25-75% of the total cost of a product. Laredo, Texas is known as biggest land port in the south border of the United States. The economy in this area is dominated by the logistics and warehousing business sector. The logistics sector has slowly started to integrate automated processes within the warehousing departments. Clients demand lower prices thus affecting the economy of the business sector. Automating the warehouses can be a costly project that slowly has started to be done. Autonomous forklifts have started to be tested. Safety technology will be analyzed. This paper will focus on studying the advantages and disadvantages of using autonomous forklifts and the impact that this change in technology can bring. This can be a call for ways to make the automatization process more affordable as new technology emerges.

Biography

Patricio Rodriguez is currently pursuing a degree in Systems Engineering at Texas A&M International University. He has been a part of Engineering Organization Society of Hispanic Professional Engineers (SHPE). He was able to be the regional student representative for region V (TX, OK, AR, LA, MS, AL, TN) followed by president for the chapter at Texas A&M International University. His future plans are to pursue Master's degree in Industrial Engineering and a PhD in the same.

tariq.tashtoush@tamiu.edu

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