

modern society and the global economy. They connect countries, businesses, and consumers through complex transportation and supply chain networks. Modern logistics includes much more than cargo transportation. It combines digital technologies, information systems, automation, and strategic management. Efficient logistics allows companies to reduce costs, improve customer service, and increase competitiveness. In the future, transport and logistics will become even more innovative through artificial intelligence, automation, and sustainable development. These changes will create new opportunities for businesses and society as a whole.

WAYS TO IMPROVE THE EFFICIENCY OF TRANSPORT ORGANIZATIONS

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Transport organizations are a very important part of our world. They help move cargo from factories to shops and help people move from one place to another. If a transport company is effective, it means it works well, saves money, and makes customers happy. Effective transport organization delivers things on time, uses less fuel, and has less problems.

However, it is not always easy to be effective. There can be many problems like traffic, old vehicles, or bad planning. This report will look at four main ways to improve the efficiency of transport organizations. These methods are using new technology, planning better routes, training drivers, and taking care of vehicles. By using these ideas, transport companies can do their work better, save money, and help to save the environment. The first and one of the most important way to improve efficiency is to use modern technology. Today, we have many smart tools that can help transport organizations. Technology can help with many different jobs, from talking to drivers to watching where vehicles are.

One very useful technology is called a GPS (Global Positioning System). With GPS, the main offices can always see where their trucks or vans are on a map. This

helps the company to know if a driver is lost or if a vehicle is stuck in traffic. They can call the driver and help them find a better way to pass the stuck traffic. This saves time and fuel.

Another great technology is special software for managing the work. This software can help plan the best way to load a truck. It can also help make bills and follow the rules easier. When the office work is faster, the drivers can spend more time on the road.

Many companies now use apps on mobile phones, laptops and tablets. Drivers can use these apps to show that they finished delivering a package, also they can take a picture as a proof in turn this means less paper and fewer mistakes. Using modern technology like GPS, management software, and mobile apps helps a transport organization work faster, make fewer mistakes, and keep better contact with drivers. It is a very smart investment for any company that wants to be more efficient.

The second way to improve efficiency is to have better route planning. A route is the way where a driver goes to make all their deliveries. If the route is bad, the driver can waste a lot of time and fuel which means less efficiency. Good planning helps the driver finish their work faster.

In the past, drivers often used paper maps or just tried to remember the best way. This was not always good. Now, with special computers and software, companies can find the best route. The computer looks at all the addresses for the day. Then, it finds the fastest and shortest way to visit all of them. This is often called "optimizing" the route.

Good planning also means thinking about the time of day. In big cities, there is often a lot of traffic in the morning and late afternoon. A smart plan can help the driver avoid most of this traffic. Maybe they can deliver to places outside the city first and go into the city later. This way, they spend less time waiting in traffic. Also, route planning helps with customer happiness. The company can tell the customer a more exact time when their deliver will come. For example, they can say, "Your package will arrive between 10 am and 12 pm," instead of " throughout the day"; this is much better for the customers. In fact, better route planning means less time on

the road, less money spent on consumables, and happier customers. It is a simple but very powerful way to make a transport organization more efficient.

The third important way to improve efficiency is to focus on the drivers. The drivers are the most important people in a transport organization. A good driver can save the company a lot of money. A driver who is not trained well can cost the company a lot of money. That is why good training is so important. First, we can train drivers in "eco-driving." Eco-driving means driving in a way that uses less fuel.

For example, drivers can learn to start and stop smoothly instead of fast. They can learn to keep a steady speed. They can also learn not to let the engine run when the truck is not moving. At first look this may seem like a small thing, but in the overall result if all drivers use these simple ideas, the company can save a lot of money on fuel. Second, drivers need to be safe. Safe drivers have fewer accidents. An accidents is very bad for efficiency. It means the vehicle cannot be used, the cargo may be damaged, and the driver may be hurt. Safety training can teach drivers to look for dangers on the road and to be careful in bad weather. Third, training is good for the drivers themselves. When a company gives good training, drivers feel that the company cares about them, this makes them do their job better at their own request. A happy driver will work harder and stay with the company for a long time.

It costs a lot of money to find and train new drivers, so it is good to keep the best ones. In short, training drivers to drive safely and save fuel is a great way to improve efficiency. It saves money on fuel, prevents expensive accidents, and keeps drivers happy and loyal to the company.

The fourth and final way to improve efficiency is to take good care of the vehicles. The trucks, vans, and cars are the main tools of a transport organization. If a vehicle breaks down, it cannot work so you need money to fix them, this is bad for the company and the customers that wait for their cargo. Regular maintenance, which means checking and fixing things before they break, is the key. We need to think of a vehicle like a human body. If you do not eat well or exercise, you will get sick. If you do not check the oil, tires, and brakes of a truck, it will also get "sick" and break down. Regular maintenance means following a schedule. For example, change

the oil every 10,000 kilometers, check the tires every week, and check the brakes every month. When a vehicle is well-maintained, it works better. For example, tires with the right amount of air make the truck use less fuel. An engine that is clean and has new oil also uses less fuel. This is good for saving money and for the environment because it creates less pollution. If a company does not do regular maintenance, small problems can become big problems. A small problem with the engine can become a big problem that costs thousands of dollars to fix it. Also, when a truck breaks down on the road, the driver cannot finish the deliveries. The company must send another truck, which costs more money, and the customers get their cargo late. So, looking after the vehicles is not an extra cost, it is a way to save money. Regular maintenance keeps vehicles on the road longer, uses less fuel, prevents big, expensive problems, and makes sure deliveries are on time. It is a very important part of an efficient transport organization.

There are many ways for a transport organization to become more efficient. This report looked at four important methods. First, using modern technology like GPS helps companies track vehicles and manage work better. Second, planning better routes saves time and fuel. Third, training drivers in safe and eco-friendly driving saves money and prevents accidents and finally, maintaining vehicles regularly keeps them working well and prevents breakdowns.

All these ideas work together. If a company uses them, they will save money, make their customers happier, and help their drivers. The world of transport is always changing, and companies must try to be better every day. By focusing on these four areas, any transport organization can improve its efficiency and be more successful in the future.

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**USING THE METHOD OF PARTIAL ACCELERATIONS FOR A MORE
PRECISE CONDUCT OF A DYNAMIC ANALYSIS OF VEHICLES.**

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