

Autonomous trucking offers an opportunity to improve safety, grow the U.S. economy, improve transportation efficiency and transform how freight moves, while providing new opportunities and creating new, high-quality jobs.

SAFETY

Autonomous long-haul trucks have the potential to dramatically improve the safety of U.S. roads and highways:

- In 2022, nearly 43,000 people died on U.S. roads in crashes, another year-after-year increase. Thousands of motor vehicle crashes are caused by human error, including impaired, distracted and reckless driving.
- Nearly 14% of crashes involve a truck.
 - ▶ 1 in 3 long-haul truck drivers experience a serious crash in their career.

ECONOMIC BENEFITS

Autonomous long-haul trucks can help to grow the U.S. economy, create jobs and increase American competitiveness. A new USDOT-funded study confirms that autonomous trucks will:

- Create jobs: Employment across all sectors in the U.S. would increase with 26,400-35,100 jobs per year on average.
- Spur investment: An additional \$111 billion in aggregate investment spending across the U.S. economy.
- Raise annual earnings for all U.S. workers by more than \$200 per worker per year.
- Increase GDP by more than \$68 billion over 30 years.
- Address the truck driver shortage: The U.S. trucking industry is currently short of an estimated 80,000 truck drivers, and the average age of a truck driver is 57 years old.
- Future of work: Fully autonomous trucks will create new jobs in the trucking industry, and will not impact the net hiring of truck drivers in the near future.

BOOSTING SUPPLY CHAINS

Through productivity enhancements, fleet flexibility and travel time savings, autonomous long-haul trucks will increase supply chain efficiency.

- Support America's supply chain and e-commerce boom: Able to operate for longer, continuous periods, autonomous trucks can keep supply chains in operation at peak efficiency.
- Create new agricultural markets: By increasing long-haul speed and capacity,
- Improve fuel efficiency: Autonomous technology can reduce fuel consumption by at least 10%.