



Democrats' American Manufacturing Revival

Democrats know that we need to build things in America again. And during the past two years, Democrats in Congress – along with President Biden – have ushered in an American manufacturing renaissance. We're reviving American manufacturing, creating hundreds of thousands of new jobs, and bringing jobs home. And we're not done yet.

- **Democrats are revitalizing American manufacturing, creating good-paying jobs, and bringing manufacturing back from China.**
- **Democrats are creating a 21st century manufacturing workforce.**
- **Democrats are investing in next-generation technologies and the economy of the future.**
- **Democrats are making historic investments in our infrastructure and logistics networks to solve the supply chain crisis.**

Democrats are bringing back American manufacturing, creating historic numbers of new jobs, and are outcompeting China!

Revitalizing American Manufacturing

Our economy's historic manufacturing boom continues to expand, going far beyond recovering jobs lost during the pandemic.

- **Nearly 700,000 new manufacturing jobs have been created so far during the Biden Administration.** This represents the strongest manufacturing job growth since the 1950s. In 2021 alone, more manufacturing jobs were created than in any single year in nearly 30 years.
- **Over the past year, the construction of new manufacturing facilities in the United States has grown by an estimated 116%.** The boom in manufacturing-related construction far exceeds the 10% growth rate of the construction industry as a whole.
- **In a recent survey of CEOs, 80% were either in the process of moving manufacturing operations back to the U.S. from China or were considering doing so.** 90% of the CEOs surveyed were considering moving at least some of their manufacturing operations out of China.

- **The CHIPS and Science Act will bring semiconductor manufacturing back to the United States.** Currently, the U.S. manufactures 12% of the world's semiconductors, down from 37% in 1990. The CHIPS and Science Act will ensure that semiconductor technologies – which power our phones, cars, and appliances – are made in America!
- **Senate Democrats and the Biden Administration are working hand in hand to strengthen Buy American provisions.** The leadership of Senate Democrats and the Biden Administration have ushered in the most significant expansion of Buy American policies in decades. These policies will ensure that federally funded infrastructure projects use American-made steel, iron, manufactured products, and construction material.
- **New manufacturing plants are opening across the country.** Intel is opening new semiconductor fabricators in Ohio and Arizona. Corning is building a new fiber optic cable factory in Arizona. And aluminum and steel producers opening new plants include Novelis in Bay Minette, Alabama; U.S. Steel in Osceola, Arkansas; and Nucor in Brandenburg, Kentucky.

Developing the 21st Century Workforce

Democrats are investing in workforce development to make sure that we have the highly skilled domestic workforce we need.

- **The CHIPS and Science Act includes dedicated funding for the development of the semiconductor workforce.** The CHIPS and Science Act funding help create good-paying jobs that benefit all Americans, including economically disadvantaged individuals and populations that may be underrepresented in the industry.
- **The science provisions passed with the CHIPS and Science Act include authorized funding for the development of the science workforce.** These provisions include \$13 billion to build the STEM workforce through education and workforce development programs. This will help ensure that manufacturing firms have skilled workers to fill the jobs of the future and the talent needed to continuously innovate.
- **The Inflation Reduction Act includes incentives to create high-paying jobs and apprenticeship programs.** New advanced manufacturing tax credits create tax credits for the manufacturing of clean energy products here in the United States. These credits include additional incentives for clean energy manufacturers who create high-paying jobs and apprenticeship programs, to ensure that we attract and train the next generation of highly skilled workers in the United States.
- **In addition to investing in workforce development in key industries, Democrats have invested in workforce development programs in key regions around the country.** The Build Back Better Regional Challenge awarded \$1 billion to 123 projects across 24 states to implement advanced economic strategies. Nearly a quarter of these funds were spent on workforce development programs, ranging from developing a sustainable mariculture workforce in Alaska, to electric vehicle manufacturing in Michigan, to training programs for aerospace jobs in Kansas.

Investing in Next Generation Technologies for the Future of American Manufacturing

The American manufacturing boom is here to stay. Democrats are investing in research and development and science to ensure that America remains the global leader in innovation and that the next generation of clean energy, telecommunications, and transportation technologies will be developed and manufactured here in America.

- **The Inflation Reduction Act creates new and expanded tax incentives for the next generation of clean-energy technologies.** Democrats are investing in the future of American-made electric vehicles, clean-energy infrastructure and manufacturing while improving energy efficiency and giving the private sector the resources they need to build the economy of the future.
- **The CHIPS and Science Act provides \$11 billion to develop cutting-edge technologies.** The Biden Administration is investing these funds in a new National Semiconductor Technology Center, a National Advanced Packaging Manufacturing Program, up to three new Manufacturing USA Institutes, and in National Institute of Standards and Technology R&D programs to spearhead innovation and the development of new technologies and manufacturing techniques.
- **The CHIPS and Science Act also more than doubles funding for critical federal innovation programs.** This new funding, a total of \$102 billion, will ensure that American manufacturers and workers can outcompete the world.
 - This funding includes \$20 billion to create a new technology directorate at the National Science Foundation that will accelerate the domestic development of technologies critical to our national and economic security. These technologies include artificial intelligence, quantum computing, advanced manufacturing, 6G communications, energy, and material sciences.
 - The CHIPS and Science Act also includes a further \$16.5 billion in new authorizations for research and development in advanced technologies. This funding will invest in advanced energy and industrial efficiency technologies, artificial intelligence and machine learning, advanced manufacturing, cybersecurity, biotechnology, high-performance computing, advanced materials, and quantum information science.

Building the Future Manufacturing Shipping and Supply Chain

Manufacturers are concerned about the security and stability of the global supply chain, which is why they are bringing operations back to the United States. As new factories are built around the country, Democrats are investing in our transportation infrastructure to ensure that manufacturers can move their products to markets around the country – and around the world – quickly, safely, and reliably.

- **The infrastructure law passed by Democrats last year makes a historic investment in American surface transportation, including roads and bridges.** As manufacturing booms and more trucks hit the road, better roads and bridges will help ensure those goods get around the country faster and more reliably.
- **The infrastructure law invests \$17 billion in port infrastructure and waterways.** Congestion in American ports was a key factor in the disruption of the global supply chain. Expanding and modernizing port infrastructure will help ensure that American manufacturers and producers can move their goods to markets around the world.
- **The infrastructure law invests \$25 billion in our airports.** Modernizing our airport infrastructure will help keep people and products moving around the country and the world.
- **The Biden Administration is strengthening the trucking workforce.** In addition to investing in transportation infrastructure, Democrats are investing in the transportation workforce by streamlining the licensing process for truck drivers, creating new apprenticeships, and improving outreach and recruitment, including of veterans. This will ensure that manufacturers have the workforce they need to move their products.
- **Democrats passed new legislation to reform our ocean shipping laws.** The Ocean Shipping Reform Act promotes the growth and development of U.S. exports and improves the manufacturing supply chain by cracking down on unfair price hikes being imposed by international shipping operators.
- **Democrats are taking proactive steps to protect our supply chains from future disruption.** The White House Supply Chain Taskforce is working to strengthen supply chain resiliency and develop strategies to anticipate and prevent future disruptions. The CHIPS and Science Act provides further resources and investments for the Biden Administration to deploy in order to enhance the resiliency of our supply chains.
- **Bringing manufacturing back to the U.S. shortens supply chains and minimizes the risk of disruption.** Many industries are heavily reliant on semiconductor chips imported from Asia. This leaves these industries highly vulnerable to supply chain disruptions. Moving chip manufacturing back to the United States will help secure these supply chains, especially for the automotive industry.