



Inside the US Factory: The Flaws in Trump's Manufacturing Policy

Description

In the Arizona desert, just outside Phoenix, an impressive facility is being constructed that has the potential to redefine the global economy. This factory is at the forefront of advanced semiconductor manufacturing, a critical component of modern technology.

For the first time, a Taiwanese company, TSMC (Taiwan Semiconductor Manufacturing Company), is establishing a massive chip production plant in the U.S. This multi-billion dollar investment aims to mitigate potential tariffs on imported chips by producing them domestically.

Dubbed "Fab 21", this facility holds immense significance as it will produce 90% of the world's cutting-edge semiconductors. From the chips powering smartphones to those in complex AI systems, TSMC's contributions are everywhere, yet the company operates largely out of the public eye.

The factory is heavily safeguarded, with strict protocols to prevent any design leaks, indicating the level of trust major clients like Apple and Nvidia place in TSMC.

A factory building, next to solar panels, in the middle of the desert.
TSMC's Arizona factory is under tight security

In light of its strategic importance, TSMC's facility exemplifies the U.S. push for chip manufacturing autonomy. Both President Trump and President Biden have emphasized the necessity of reducing reliance on foreign production to bolster national security and economic independence.

However, the intricacies of semiconductor supply chains highlight the global nature of this industry. For instance, raw materials often originate from various countries, making a simple solution elusive.

Vocabulary List:

1. **Semiconductor** /ˌsemɪkənˈdʌktə/ (noun): A material that partially conducts electricity vital for modern electronic components.
2. **Manufacturing** /ˌmænəˈfæktʃərɪŋ/ (verb): The process of producing goods or materials often on a large scale.
3. **Autonomy** /ɔːˈtɒnəmi/ (noun): The right or condition of self-government often in relation to production or decision-making.
4. **Mitigate** /ˈmɪtɪɡeɪt/ (verb): To make less severe serious or painful.
5. **Complex** /ˈkɒmpleks/ (adjective): Consisting of many different and connected parts.
6. **Significance** /sɪɡˈnɪfɪkəns/ (noun): The quality of being worthy of attention; importance.



Comprehension Questions

Multiple Choice

1. Where is the impressive semiconductor manufacturing facility being constructed?
Option: Arizona desert
Option: New York City
Option: Los Angeles
Option: Florida
2. Which Taiwanese company is establishing a chip production plant in the U.S?
Option: ASUS
Option: TSMC
Option: Acer
Option: HTC
3. What is the name of the facility dubbed for producing 90% of the world's cutting-edge semiconductors?
Option: Fab 21
Option: TechGem
Option: ChipZone
Option: SemSecure
4. Which major companies trust TSMC for chip production, as mentioned in the text?
Option: Samsung and Google
Option: Xiaomi and LG
Option: Apple and Nvidia
Option: Sony and Microsoft
5. What do Presidents Trump and Biden emphasize regarding chip manufacturing?
Option: Increasing foreign imports
Option: Strengthening global partnerships
Option: Reducing reliance on foreign production
Option: Expanding offshore manufacturing
6. Where do semiconductor raw materials often originate from?
Option: A single country



- Option: Various countries
- Option: China
- Option: India

True-False

- 7. The semiconductor facility is located in the heart of New York City.
- 8. The facility is expected to produce 100% of the world's semiconductors.
- 9. TSMC is a Japanese semiconductor manufacturing company.
- 10. The Arizona facility is named
- 11. The strict protocols at the factory aim to promote design leaks.
- 12. President Trump and President Biden both support reducing reliance on foreign chip production.

Gap-Fill

- 13. The Taiwanese company TSMC is establishing a chip production plant in the U.S for the first time, as a multi-billion dollar investment to mitigate potential tariffs on imported chips by producing them

_____.

- 15. TSMC's contributions are everywhere, yet the company operates largely out of the

_____.

- 16. The factory is heavily safeguarded, with strict protocols to prevent any _____

, indicating the level of trust major clients place in TSMC.

- 17. Both President Trump and President Biden have emphasized the necessity of reducing reliance on foreign production to bolster national security and economic _____.

- 18. Semiconductor supply chains highlight the global nature of the industry, as raw materials often originate



from _____ countries making a simple solution elusive.

Answer

Multiple Choice: 1. Arizona desert 2. TSMC 3. Fab 21 4. Apple and Nvidia 5. Reducing reliance on foreign production 6. Various countries

True-False: 7. False 8. False 9. False 10. False 11. False 12. True

Gap-Fill: 13. domestically 15. public eye 16. design leaks 17. independence 18. various

CATEGORY

1. Business - LEVEL4

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