
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** /ˌmæneɪˈfæktʃərɪŋ/ (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

Vocabulary quizzes

Multiple Choice (Select the Correct answer for each question.)

1. What form of public expression focuses on raising awareness about social issues?

Option: Protests

Option: Immigration

Option: Coalition

Option: Healthcare

2. What is a tax imposed on imported goods?

Option: Frustration

Option: Tariffs

Option: Collaboration

Option: Decline

3. Which industry produces electronic components?

Option: Mitigate

Option: Semiconductor

Option: Complex

Option: Significance

4. What term describes a decrease or reduction in progress or quality?

Option: Commute

Option: Progress

Option: Decline

Option: Coalition

5. What is the advancement towards achieving a goal or improving a situation?

Option: Stressed



- Option: Progress
- Option: Condemned
- Option: Opulent

6. Which term means to make something less severe or painful?

- Option: Mitigate
- Option: Autonomy
- Option: Complex
- Option: Fluctuations

7. What is a formal decision or commitment made between two or more parties?

- Option: Collaboration
- Option: Agreement
- Option: Frustration
- Option: Commute

8. Which word describes something that is composed of many interconnected parts?

- Option: Dynamics
- Option: Complex
- Option: Commute
- Option: Coalition

9. What refers to the contamination of the environment with harmful substances?

- Option: Import
- Option: Pollution
- Option: Agreement
- Option: Opulent

10. Which sector provides medical services to individuals?

- Option: Healthcare
- Option: Cost of living
- Option: Condemned
- Option: Stressed

Gap-Fill (Fill in the blanks with the correct word from the vocabulary list.)

11. The protesters were _____ by the authorities during the demonstration.

12. The city faced heavy _____ due to the road construction.

13. The agreement was non-_____ meaning it did not hold parties to specific actions.



14. The industry sector involved in production is known as _____ .
15. There was widespread _____ regarding the feasibility of the new policy.
16. The daily _____ to work often takes a toll on one's energy and time.
17. The palace was a symbol of wealth and _____ design.
18. The stock market experiences regular _____ in prices.
19. Teamwork and _____ are crucial for the success of the project.
20. The company granted its employees more _____ in decision-making.

Matching Sentences (Match each definition to the correct word from the vocabulary list.)

21. The workers were due to the tight deadlines and high workload.
22. The political parties formed a to gain majority support in parliament.
23. The discovery of a new species in the forest has great ecological .
24. The repeated delays in project completion led to widespread among the team.
25. The country introduced new policies to control and regulate the influx of foreign nationals.
26. Efforts are being made to the impact of climate change through sustainable practices.
27. The country heavily relies on goods to meet consumer demands.
28. Understanding the social is essential for effective community engagement.
29. Access to affordable and quality remains a major concern for citizens.
30. The nature of the situation required a comprehensive analysis before making a decision.

Answer

Multiple Choice: 1. Protests 2. Tariffs 3. Semiconductor 4. Decline 5. Progress 6. Mitigate 7. Agreement 8. Complex 9. Pollution 10. Healthcare

Gap-Fill: 11. confronted 12. congestion 13. binding 14. manufacturing 15. skepticism 16. commute 17. opulent



18. fluctuations 19. collaboration 20. autonomy

Matching sentence: 1. stressed 2. coalition 3. significance 4. frustration 5. immigration 6. mitigate 7. import
8. dynamics 9. healthcare 10. complex

CATEGORY

1. Business - LEVEL4

Date Created

2025/05/19

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