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# Oracle's Major Michigan Data Centre Gains £16 Billion Funding

## Description

The Saline Township campus in Michigan, around 50 miles from Detroit, is set to become a major data centre with a capacity of over 1 gigawatt. This is significant, as most data centres typically range between 100 and 300 megawatts. The developer, Related Digital, has announced it secured \$16 billion in funding, aided by investors Blackstone and PIMCO. Initially, the campus will cover 250 acres, making it one of the largest in the United States. Michigan Governor Gretchen Whitmer highlighted this as "the largest investment in Michigan history."

The Saline data centre will support Oracle's artificial intelligence (AI) operations, which are projected to generate approximately \$90 billion in revenue by 2027. This is part of the larger Stargate project, a \$500 billion initiative involving Oracle, OpenAI, and SoftBank, aimed at developing AI infrastructure across the nation and maintaining US leadership in AI technology.

Despite the enthusiasm, local residents have expressed concerns. In December, some protesters gathered in Saline, voicing worries about the project's effects on the electrical grid and potential pollution hazards. One resident noted that they would prefer the project not to exist for the sake of their community's peace.

While proponents like OpenAI claim that new data centres will revive the US economy and create jobs, many local citizens remain apprehensive about the implications for power supplies, water resources, and overall quality of life. Rural areas are increasingly becoming sites for tech giants seeking data capacity.

In response to community concerns, tech leaders previously stated they would bear more energy costs for data centres. Developers of the Saline project have proposed a "closed-loop cooling system" to safeguard Michigan's water resources, though local fears persist.

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## Vocabulary List:

1. **capacity** //kə'pæsəti// (noun): how much something can hold or produce
2. **funding** //ˈfʌndɪŋ// (noun): money given for a project or purpose
3. **investors** //ɪn'vestərz// (noun): people or groups who give money expecting profit
4. **infrastructure** //ˈɪnfə,striktʃə// (noun): basic systems and services for a country or place
5. **protesters** //ˈprɒtɛstərz// (noun): people who loudly show they do not agree
6. **pollution** //pə'ljuːʃən// (noun): harmful substances that make air or water dirty

## Comprehension Questions



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## Multiple Choice

1. What is the capacity of the data centre in Saline Township?  
Option: 500 megawatts  
Option: 1 gigawatt  
Option: 250 megawatts  
Option: 100 megawatts
2. Which company is the developer of the Saline Township data centre?  
Option: Oracle  
Option: OpenAI  
Option: Related Digital  
Option: SoftBank
3. How much funding has been secured for the data centre?  
Option: \$1 billion  
Option: \$16 billion  
Option: \$500 billion  
Option: \$90 billion
4. What is the projected revenue generation of Oracle's AI operations by 2027?  
Option: \$50 billion  
Option: \$90 billion  
Option: \$100 billion  
Option: \$200 billion
5. Which governor highlighted the Saline data centre project as the largest investment in Michigan history?  
Option: Gretchen Whitmer  
Option: Rick Snyder  
Option: Jennifer Granholm  
Option: George Romney
6. What is the primary goal of the Stargate project?  
Option: Improve agriculture  
Option: Develop AI infrastructure  
Option: Build new hospitals  
Option: Enhance transportation



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### True-False

7. The Saline Township data centre is located 100 miles from Detroit.
8. Residents have concerns about the data centre's impact on the electrical grid.
9. The Saline data centre will primarily support robotics operations.
10. Developers are proposing a cooling system to protect Michigan's water resources.
11. The Stargate project is a \$500 million initiative.
12. The Saline Township campus will cover 500 acres initially.

### Gap-Fill

13. The data centre in Saline Township will have a capacity of over 1 gigawatt, which is significantly more than most data centres that usually range between 100 and \_\_\_\_\_ megawatts.
14. The funding for the data centre has been secured with the aid of investors like Blackstone and \_\_\_\_\_.
15. The Saline data centre is part of the larger Stargate project, a \_\_\_\_\_ billion initiative.
16. Local residents expressed worries about the project's effects on the electrical grid and potential \_\_\_\_\_ hazards.
17. Many local citizens are apprehensive about the implications for power supplies, water resources, and overall quality of \_\_\_\_\_.
18. The proposed cooling system is intended to safeguard Michigan's \_\_\_\_\_ resources.

### Answer

- Multiple Choice:** 1. 1 gigawatt 2. Related Digital 3. \$16 billion 4. \$90 billion 5. Gretchen Whitmer  
6. Develop AI infrastructure



**True-False:** 7. False 8. True 9. False 10. True 11. False 12. False  
**Gap-Fill:** 13. 300 14. PIMCO 15. 500 16. pollution 17. life 18. water

## Vocabulary quizzes

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

1. What does 'capacity' typically refer to in a business context?  
Option: The maximum output a company can produce  
Option: The amount of funding available  
Option: The number of investors in a startup  
Option: A regulatory requirement
2. What is usually a primary source of funding for startups?  
Option: Grants  
Option: Personal savings  
Option: Investors  
Option: All of the above
3. Which of the following best describes 'infrastructure'?  
Option: Financial support mechanisms  
Option: Basic physical systems of a business or nation  
Option: Community advocacy groups  
Option: Technological advancements
4. Who are typically considered 'investors'?  
Option: People who support community projects  
Option: Individuals or entities that provide capital for a business  
Option: Participants in clinical trials  
Option: Workers in refineries
5. What are the environmental consequences of pollution?  
Option: Improved health  
Option: Cleaner air and water  
Option: Harm to wildlife and ecosystems  
Option: Increased biodiversity
6. What does it mean when a project is 'approved'?  
Option: It has been unanimously rejected  
Option: It has received formal consent to proceed



Option: It is still under consideration

Option: It has been put on hold

7. In genetics, what does 'mutation' refer to?

Option: An improvement in DNA sequences

Option: A change in the DNA sequence

Option: The creation of new therapeutic methods

Option: A type of funding model

8. Which term describes the income generated from normal business operations?

Option: Expenditure

Option: Profit

Option: Revenue

Option: Assets

9. What do 'regulations' typically enforce?

Option: Voluntary compliance in industry

Option: Mandatory rules that govern behaviors

Option: Market fluctuations

Option: Increased competition

10. What does 'transition' mean in the context of organizational change?

Option: A permanent change

Option: A change from one state to another

Option: An increase in staff

Option: A decrease in revenue

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

11. The manufacturing plant is operating at full \_\_\_\_\_ to meet demand.

12. The startup secured additional \_\_\_\_\_ to launch its new product.

13. Several new \_\_\_\_\_ expressed interest in the company during the pitch.

14. The city upgraded its \_\_\_\_\_ to support more traffic and reduce delays.

15. The \_\_\_\_\_ gathered outside the building to voice their concerns about pollution.

16. The government implemented new laws to combat air \_\_\_\_\_ in urban areas.



17. The project was \_\_\_\_\_ by the board after a thorough review.
18. The \_\_\_\_\_ in the virus's genetic code made it more resilient.
19. The company reported a significant increase in its \_\_\_\_\_ this quarter.
20. New \_\_\_\_\_ for construction were enacted to enhance safety measures.

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

21. The production facility operates at a maximum capacity of 10,000 units per day.
22. The project received significant funding from several venture capitalists.
23. Many investors are looking for sustainable business models in the current market.
24. Investing in infrastructure is crucial for economic growth.
25. The protesters voiced their opposition to the proposed legislation.
26. Efforts to reduce pollution are necessary for a healthy environment.
27. The new regulations were approved unanimously by the committee.
28. The scientists studied the mutation of the virus to develop a vaccine.
29. The company's revenue has increased significantly over the past year.
30. The government has established new regulations to protect wildlife.

**Answer**

**Multiple Choice:** 1. The maximum output a company can produce 2. All of the above 3. Basic physical systems of a business or nation 4. Individuals or entities that provide capital for a business 5. Harm to wildlife and ecosystems 6. It has received formal consent to proceed 7. A change in the DNA sequence

**Gap-Fill:** 11. capacity 12. funding 13. investors 14. infrastructure 15. protesters 16. pollution 17. approved 18. mutation 19. revenue 20. regulations

**Matching sentence:** 1. capacity 2. funding 3. investors 4. infrastructure 5. protesters 6. pollution 7. approved 8. mutation 9. revenue 10. regulations



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