
GeekWire questions the science behind Altman-supported fusion company Helion in Bloomberg report

Description

A fusion company in Everett, Washington, called Helion Energy, is facing concerns about its operations. The company, backed by Sam Altman of Open AI and with a deal with Microsoft, aims to produce commercially viable fusion power. However, its secretive nature has led to skepticism about meeting deadlines and impacting the industry. Helion plans to operate its seventh prototype reactor by the end of the year and build a fusion plant for Microsoft by 2028. Despite the challenges, the company remains focused on developing clean energy solutions. In response to allegations of internal strife, Helion emphasized its commitment to creating an inclusive workplace. With \$612 million in venture capital and contracts with Microsoft and steel manufacturer Nucor, Helion continues to push forward in the fusion sector. The company's dedication to innovation and progress remains at the forefront of its mission.

Vocabulary List:

1. **Concerns** /kən'sərnz/ (noun): Feelings of worry or anxiety about something.
2. **Skepticism** /'skɛp.tɪ.sɪ.zəm/ (noun): An attitude of doubt or a disposition to incredulity.
3. **Prototype** /'prəʊ.tə.taɪp/ (noun): A first or preliminary version of a device or vehicle from which other forms are developed.
4. **Allegations** /,æl.ɪ'geɪ.ʃənz/ (noun): Claims or assertions that someone has done something illegal or wrong.
5. **Commitment** /kə'mɪt.mənt/ (noun): The state or quality of being dedicated to a cause or activity.
6. **Innovation** /,ɪn.əʊ'veɪ.ʃən/ (noun): The introduction of new ideas methods or products.

Comprehension Questions

Multiple Choice

1. Where is Helion Energy located?

- Option: Everett Washington
- Option: Seattle Washington
- Option: Portland Oregon
- Option: San Francisco California

2. Who is the key figure behind Helion Energy?

- Option: Sam Altman
- Option: Bill Gates
- Option: Elon Musk
- Option: Mark Zuckerberg

3. What is Helion Energy's goal?

- Option: Producing commercially viable fusion power
- Option: Expanding into the aerospace industry
- Option: Developing self-driving cars
- Option: Creating virtual reality technology

4. When does Helion Energy aim to build a fusion plant for Microsoft?

- Option: 2025
- Option: 2028
- Option: 2030
- Option: Never

5. How much venture capital does Helion Energy have?

- Option: \$1 billion
- Option: \$500 million
- Option: \$612 million
- Option: \$750 million

6. Who else does Helion Energy have contracts with?

- Option: Apple
- Option: Amazon
- Option: Microsoft
- Option: Google

Answer

Multiple Choice: 1. Everett Washington 2. Sam Altman 3. Producing commercially viable fusion power 4. 2028 5. \$612 million 6. Microsoft

Vocabulary quizzes

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

1. Which term refers to the process of creating something new or introducing new ideas or methods?

- Option: Engage
- Option: Helium-3
- Option: Corruption
- Option: Innovation

2. What is the term used to describe the application of scientific knowledge for practical purposes?

- Option: Develop
- Option: Artificial
- Option: Technology
- Option: Skepticism

3. Who are advocates for the protection of the environment and sustainable practices?

- Option: Campaign
- Option: Promoting
- Option: Environmentalists
- Option: Prototype

4. Which term means to observe supervise or regulate a process or activity?

- Option: Nuclear Fusion
- Option: Monitor
- Option: Rotating
- Option: Concerns

5. What form of energy is produced from the movement of electrons?

- Option: Ineffective
- Option: Electricity
- Option: Commitment
- Option: Integrating

6. What term describes the state of being unable to concentrate or focus?

- Option: Allegations
- Option: Engage
- Option: Distracted
- Option: Monitoring

7. Which term denotes dedication and loyalty to a cause or relationship?

- Option: Prioritize
- Option: Artificial
- Option: System

Option: Commitment

8. What word describes the effect or influence that an event or action has?

Option: Skepticism

Option: Impact

Option: Prototype

Option: Manipulated

9. Which term refers to dishonest or fraudulent conduct by those in power?

Option: Develop

Option: Corruption

Option: Promoting

Option: Campaign

10. What is the term for arranging tasks or goals in order of importance?

Option: Organic

Option: Prioritize

Option: Innovation

Option: Navigating

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

11. _____ new technologies into existing systems can enhance efficiency.

12. There is a lot of _____ surrounding the new government policy.

13. The engineers are working on a new _____ of the device.

14. The political party launched a new advertising _____.

15. It takes time to _____ a good relationship with clients.

16. Some argue that intelligence from machines is _____ and lacks creativity.

17. The data was _____ to show favorable results.

18. The Earth's _____ movement causes day and night.

19. Many people prefer to buy _____ produce for its health benefits.

20. To _____ customers companies often use social media platforms.

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

21. is a potential fuel for future nuclear fusion reactors.
22. is a process that powers the sun and stars.
23. Regular is essential to ensure the system functions properly.
24. Addressing environmental requires global cooperation.
25. The company faces serious of employee mistreatment.
26. Before mass production companies often create a product for testing.
27. The outdated equipment proved in the new manufacturing process.
28. Companies use various strategies for their products to a wider audience.
29. In unfamiliar territories a compass can help you your way.
30. A well-designed operating can streamline business processes.

Answer

Multiple Choice: 1. Innovation 2. Technology 3. Environmentalists 4. Monitor 5. Electricity 6. Distracted
7. Commitment 8. Impact 9. Corruption 10. Prioritize

Gap-Fill: 11. Integrating 12. Skepticism 13. Prototype 14. Campaign 15. Develop 16. Artificial 17.
Manipulated 18. Rotating 19. Organic 20. Engage

Matching sentence: 1. Helium-3 2. Nuclear Fusion 3. Monitoring 4. Concerns 5. Allegations 6. Prototype
7. Ineffective 8. Promoting 9. Navigate 10. System

CATEGORY

1. Sci/Tech - LEVEL1

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