

Stratolaunch hails test of hypersonic vehicle - DW - 03/10/2024

Description

On late Saturday, Stratolaunch, a private firm, revealed it had achieved a momentous feat, it had effectively tested its state-of-the-art Talon-A hypersonic vehicle. The firm showcased its triumph by disclosing an abridged video exhibiting the initiation and commencement of its much-anticipated flight.

Zachary Krevor, the elated president of the high-profile company, delivered a formal pronouncement. "An auspicious day has dawned for the ones at Stratolaunch and I take immense pride in their unwavering steadfastness leading up to this moment", he stated emphatically.

Underlying the significant milestones that marked Saturday's grandiose flight, the company highlighted the successful aerial release of the TA-1 vehicle. The imperative ambit featured the engine ignition and the subsequent acceleration, a consistent upsurge in altitude, culminating with a meticulously orchestrated landing on water bodies.

As the event transpired, viewers worldwide were treated to the spectacle through a video that captured the initial stages of the experimental test, down the coastline of California. The footage manifested the astounding sight of the gargantuan, twin-fuselaged carrier Roc, armed with six engines, releasing the Talon from its central wing mount. The vehicle had a fleeting vertical decline before the potent engine revved up, propelling it ahead.

Propelling the boundaries of aeronautics, the firm is actively spearheading the development of hypersonic armaments and respective defenses. The flight concluded with a well-controlled landing in water. Despite the TA-1 being a single-use vehicle, Stratolaunch indicated that its evolution didn't end there. Reusable models, designed to implement landing on runways, are currently being cultivated.

Turning back time to 2017, Stratolaunch had successfully launched a carrier in the barren landscape of Mojave desert in California. Eagerly keeping the specifics of the outcomes under wraps, Krevor confessed, "While I am barred from delving into the specifics regarding the altitude reached by TA-1 or its attained speed, I will assert that we managed to hit high supersonic speeds, verging on Mach 5. A critical volume of data pertaining to our achievement does promise remarkable benefit to our prospective clients."

In a world where technological dominance is key, numerous defense contractors strewn across several nations are looking to capitalize on the monumental shift witnessed in favor of hypersonic weaponry. Additionally, they are also probing into the development of contemporary systems adept at detecting and defending against them.

Indeed, Stratolaunch's vision isn't simply confined to the TA-1 vehicle. The company is ambitious about completing its development this very year and has casually mentioned the commencement of work on two more advanced models.



Hypersonic weaponry has often been characterized as those designed to navigate the Earth's stratosphere at a speed surpassing five times the speed of sound (Mach 5). This translates to an astonishing speed of around 1.7 kilometers or somewhat over one mile per second.

The news report was invigilated by proficient reporters and correspondents from reputed news agencies such as AP and Reuters to ensure authenticity and credibility.

(Word count: 516 words)

Vocabulary List:

1. **Momentous** // (adjective): Of great importance or significance.
2. **Triumph** // (noun): A great victory or achievement.
3. **Initiation** // (noun): The action of beginning something.
4. **Steadfastness** // (noun): Resolutely or dutifully firm and unwavering.
5. **Aerial** // (adjective): Existing, happening or operating in the air.
6. **Propelling** // (verb): Driving or pushing something forwards.

Vocabulary quizzes

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

1. What pricing strategy adjusts prices in real-time based on market demand?

Option: Stagnant pricing
Option: Static pricing
Option: Dynamic pricing
Option: Fixed pricing

2. What pricing method increases the prices during periods of high demand?

Option: Regular pricing
Option: Steady pricing
Option: Surge pricing
Option: Flat pricing

3. Which word describes something heavy, substantial or large in amount?

Option: Light

Option: Minuscule

Option: Hefty

Option: Tiny

4. What word means representing the most perfect or typical example of a quality or class?

Option: Mediocre

Option: Average

Option: Quintessential

Option: Insignificant

5. What term refers to the degree of variation in prices or financial instruments?

Option: Consistency

Option: Stability

Option: Volatility

Option: Predictability

6. Which word describes a feeling or behavior of great happiness or joy after a victory or success?

Option: Defeated

Option: Downcast

Option: Triumphant

Option: Sorrowful

7. What term refers to the act of rising or climbing to a higher level or position?

Option: Declines

Option: Falls

Option: Ascents

Option: Dips

8. What word means to drive or push something forwards?

Option: Retracting

Option: Slowing

Option: Propelling

Option: Halting

9. Which word best describes something that is absolutely necessary or extremely important?

Option: Expendable

Option: Unimportant

Option: Essential

Option: Insignificant

10. What term means of great importance or essential to resolve a situation?

Option: Insignificant

Option: Irrelevant

Option: Crucial

Option: Unnecessary

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

11. A _____ is a payment made by a corporation to its shareholders usually as a distribution of profits.

12. _____ refers to the action or process of making or becoming greater in size or amount.

13. Accurate _____ are crucial for making informed decisions in business and finance.

14. A _____ is an additional amount to be paid for a service or product.

15. The company made a _____ profit this quarter exceeding all expectations.

16. The _____ in the pattern raised concerns about the quality control of the product.

17. The signing of the peace treaty marked a _____ occasion in history.

18. The controversial decision by the government caused a _____ among the citizens.

19. The _____ of the construction onto protected land led to legal action.

20. The report lacked _____ making it difficult to understand the findings.

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

21. The use of the microphone for speeches resulted in clear of the speaker's voice.

22. His loyalty and dedication to the company were evident in his long years of service showing his .

23. Economic analysts use various data to make accurate about market trends.

24. The sudden in demand overwhelmed the supply chain causing delays.

25. The new software was designed to be more and capable of handling large datasets.

26. His actions to secure the deal paid off when the competitors failed to show up.

27. The ancient ruins provided evidence of the civilization's cultural and architectural .

28. To the economy the government introduced stimulus packages and tax breaks.

29. The price of the luxury car was considered far beyond the reach of most consumers.

30. The ceremony marked his into the prestigious group of scholars.

Answer

Multiple Choice: 1. Dynamic pricing 2. Surge pricing 3. Hefty 4. Quintessential 5. Volatility 6. Triumphant 7. Ascents 8. Propelling 9. Essential 10. Crucial

Gap-Fill: 11. dividend 12. Augmentation 13. predictions 14. premium 15. substantial 16. irregularity 17. momentous 18. furore 19. encroachment 20. clarity

Matching sentence: 1. amplification 2. steadfastness 3. forecasts 4. surge 5. robust 6. anticipatory 7. ascensions 8. bolster 9. exorbitant 10. initiation

CATEGORY

1. Business - LEVEL5

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