



Europe's Rocket Ariane-6 Launches for the First Time

Description

Europe's new rocket, **Ariane-6**, had a successful first flight from French Guiana at 16:00 local time. The rocket, which cost €4bn (£3.4bn), aims to give Europe independent access to space. However, there are concerns about its design compared to American reusable rockets.

Ariane-6 is similar to the previous Ariane-5 rocket and comes in two **configurations**, "62" and "64," to carry different types of **payloads**. Europe is working towards making rockets **reusable**, but this won't happen until the 2030s. Meanwhile, Elon Musk's Falcon-9 rocket offers **competitive** rates.

Despite this, **Ariane-6** has secured launch contracts, including 18 launches for Jeff Bezos's Kuiper internet satellite project. European officials hope to launch **Ariane-6** monthly to establish its place in the market.

The project is led by France and Germany and receives funding from 13 European Space Agency member states. Although the UK was involved in Europe's launcher program in the past, its participation in **Ariane** ended in 2003.

Vocabulary List

1. **Ariane-6** /ˈɑːriːən sɪks/ (noun): The name of Europe's new rocket.
2. **Configurations** /kənˈfɪɡjʊˈreɪʃnz/ (noun): Different arrangements or versions of something.
3. **Payloads** /ˈpeɪləʊdz/ (noun): The cargo carried by a rocket or spacecraft.
4. **Reusable** /riːjuːzəbəl/ (noun): The ability to be used again.
5. **Competitive** /kəmˈpetɪtɪv/ (adjective): Offering a good value compared to others.
6. **Subsidy** /sɪˈbsɪdi/ (noun): Financial support given to help fund a project.

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1. **Configurations** /kənˈfɪɡjʊˈreɪʃnz/ (noun): Different arrangements or versions of something.
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5. **Subsidy** /ˈsʌb.sɪ.di/ (noun): Financial support given to help fund a project.
6. **Independent** /ˌɪndɪˈpendənt/ (adjective): Not influenced or controlled by others.



Comprehension Questions

Multiple Choice

1. What is the name of Europe's new rocket?

- Option: Arian-5
- Option: Arian-6
- Option: Falcon-9
- Option: Kuiper

2. Which country led the project for Europe's new rocket?

- Option: France
- Option: Germany
- Option: UK
- Option: Italy

3. How much did Europe's new rocket cost?

- Option: €4bn
- Option: €3bn
- Option: €2bn
- Option: €5bn

4. What are the two configurations in which Arian-6 comes?

- Option: 62 and 64
- Option: 60 and 65
- Option: 61 and 63
- Option: 63 and 65

5. What is the main concern about Arian-6 compared to American rockets?

- Option: Size
- Option: Cost
- Option: Design
- Option: Speed

6. Which rocket mentioned in the text offers competitive rates?

- Option: Arian-5
- Option: Arian-6



Option: Falcon-9

Option: Kuiper

Answer

Multiple Choice: 1. Arian-6 2. France 3. €4bn 4. 62 and 64 5. Design 6. Falcon-9

Vocabulary quizzes

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

1. What is described as difficult to find catch or achieve?

Option: Culminating

Option: Elusive

Option: Bonuses

Option: Mysteries

2. Which word relates to the structure and coordination of activities in a business or organization?

Option: Prioritize

Option: Unit

Option: Organizational

Option: Operations

3. What is a distant astronomical object that emits powerful energy?

Option: Galaxies

Option: Quasar

Option: Spectrograph

Option: Chemical Composition

4. Which word means to introduce new ideas methods or products?

Option: Evolution

Option: Observed

Option: Innovate

Option: Intellectual Property

5. Which term refers to the state or fact of exclusive rights and control over property?



- Option: Significant
- Option: Ownership
- Option: Fair Use
- Option: Configurations

6. What is a sum of money granted by the government to assist an industry or business to keep the price of a commodity low?

- Option: Competitive
- Option: Subsidy
- Option: Independent
- Option: Acquiring

7. Which word means to notice or perceive something and register it as being significant?

- Option: Profound
- Option: Ownership
- Option: Fair Use
- Option: Observed

8. Which term signifies the gradual development of something especially from a simple to a more complex form?

- Option: Ownership
- Option: Fair Use
- Option: Evolution
- Option: Significant

9. What is described as limiting or limited to one person or group?

- Option: Adjustment
- Option: Exclusive
- Option: Acquiring
- Option: Unit

10. Which word refers to something that can be used again or repeatedly?

- Option: Payloads
- Option: Reusable
- Option: Competitive
- Option: Subsidy

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

11. Employees were happy to receive _____ for their hard work during the year.



12. After feedback from customers the company made an _____ to its pricing strategy.
13. To complete the project on time the team needed to _____ their tasks effectively.
14. The company focused on _____ new technology to stay ahead of the competition.
15. The new product launch had a _____ impact on the company's revenue.
16. The philosopher made a _____ statement about the nature of existence.
17. Educators can utilize copyrighted material under the principle of _____.
18. The IT team customized the software _____ to suit the needs of the users.
19. The industry's _____ landscape required companies to adapt quickly to survive.
20. The artist preferred to remain _____ and not be tied to any particular gallery.

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

21. Before they could on their space mission the astronauts had to undergo extensive training.
22. Detectives are drawn to solving complex cases that involve various clues and .
23. The sales team worked together as a to achieve their monthly targets.
24. The structure of the company ensured that tasks were delegated effectively.
25. The smooth of the factory was crucial for meeting production deadlines.
26. Clear documentation is essential to prove of intellectual property.
27. Scientists used a to analyze the light emitted by distant stars.
28. Companies invest in safeguarding their through patents and copyrights.
29. The speaker made a impact on the audience with her insightful words.
30. The mentorship program focused on ensuring the of new employees with experienced staff.



Answer

Multiple Choice: 1. Elusive 2. Organizational 3. Quasar 4. Innovate 5. Ownership 6. Subsidy 7. Observed 8. Evolution 9. Exclusive 10. Reusable

Gap-Fill: 11. Bonuses 12. Adjustment 13. Prioritize 14. Acquiring 15. Significant 16. Profound 17. Fair Use 18. Configurations 19. Competitive 20. Independent

Matching sentence: 1. Embark 2. Mysteries 3. Unit 4. Organizational 5. Operations 6. Ownership 7. Spectrograph 8. Intellectual Property 9. Profound 10. Matching

CATEGORY

1. Sci/Tech - LEVEL2

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