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Level 6 – 24th September, 2020

Airbus unveils plans for zero-emission planes

FREE online quizzes, mp3 listening and more for this lesson here:

<https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

Contents

The Article	2	Discussion (Student-Created Qs)	15
Warm-Ups	3	Language Work (Cloze)	16
Vocabulary	4	Spelling	17
Before Reading / Listening	5	Put The Text Back Together	18
Gap Fill	6	Put The Words In The Right Order	19
Match The Sentences And Listen	7	Circle The Correct Word	20
Listening Gap Fill	8	Insert The Vowels (a, e, i, o, u)	21
Comprehension Questions	9	Punctuate The Text And Add Capitals	22
Multiple Choice - Quiz	10	Put A Slash (/) Where The Spaces Are	23
Role Play	11	Free Writing	24
After Reading / Listening	12	Academic Writing	25
Student Survey	13	Homework	26
Discussion (20 Questions)	14	Answers	27

Please try Levels 4 and 5 (they are easier).

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THE ARTICLE

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

The airline manufacturer Airbus has unveiled ambitious plans for the world's first zero-emission aircraft. The aerospace giant predicts its hydrogen-powered commercial airplanes could be in service by 2035. The concept revealed by company engineers shows a shift away from battery power. Many in the industry believe batteries are the way forward for carbon-zero airplanes. However, Airbus says batteries could prove impractical for large airliners and have opted for hydrogen propulsion. A company spokesperson said the transition to hydrogen would require "decisive action from the entire aviation ecosystem". This means redesigned airports and significantly different refuelling infrastructure.

Airbus CEO Guillaume Faury said the company has three possible designs, one of which will be adopted as a business enterprise. He said the three "ZEROe" designs represented "a historic moment for the commercial aviation sector as a whole". Mr Faury said: "We intend to play a leading role in the most important transition this industry has ever seen." He added that the use of hydrogen as a fuel had "the potential to significantly reduce aviation's climate impact". Faury was upbeat about the future, saying: "With the support from government and industrial partners, we can rise up to this challenge to scale up renewable energy and hydrogen for the sustainable future of the aviation industry."

Sources: <https://www.bbc.com/news/business-54242176>
<https://edition.cnn.com/2020/09/21/business/airbus-zero-emissions-plane/index.html>
<https://www.flightglobal.com/air-transport/airbus-turns-to-hydrogen-as-energy-promise-of-batteries-fades/140254.article>

WARM-UPS

1. ZERO-EMISSION AIRPLANES: Students walk around the class and talk to other students about zero-emission airplanes. Change partners often and share your findings.

2. CHAT: In pairs / groups, talk about these topics or words from the article. What will the article say about them? What can you say about these words and your life?

airline / manufacturer / zero emission / commercial / batteries / hydrogen / aviation / company / enterprise / historic / transition / industry / climate / partners / future

Have a chat about the topics you liked. Change topics and partners frequently.

3. TAX: Students A **strongly** believe flights on airplanes should have a high emissions tax; Students B **strongly** believe not. Change partners again and talk about your conversations.

4. AIRPLANES: What do you think of the services on airplanes? How can they be improved? Complete this table with your partner(s). Change partners often and share what you wrote.

	What You Think	Improvements
Seats		
Cabin crew		
Cleanliness		
In-flight entertainment		
Airplane food		
The decor		

5. ZERO: Spend one minute writing down all of the different words you associate with the word "zero". Share your words with your partner(s) and talk about them. Together, put the words into different categories.

6. EMISSIONS: Rank these with your partner. Put the easiest things to reduce emissions for at the top. Change partners often and share your rankings.

- Airplanes
- Homes
- Cars
- Factories
- Farming
- Electricity production
- Ships
- Tourism

VOCABULARY MATCHING

Paragraph 1

- | | |
|-------------------|---|
| 1. manufacturer | a. Showed or announced publicly for the first time. |
| 2. unveiled | b. Say or estimate that a specified thing will happen in the future. |
| 3. ambitious | c. The basic physical and organizational structures and facilities (e.g. buildings, roads, power supplies) needed for a country or business to operate. |
| 4. predict | d. Having or showing a strong desire and determination to succeed. |
| 5. prove | e. The process or a period of changing from one state or condition to another. |
| 6. transition | f. A person or company that makes goods for sale. |
| 7. infrastructure | g. Show or demonstrate the truth or existence of something by evidence or argument. |

Paragraph 2

- | | |
|-----------------|---|
| 8. adopted | h. A project or undertaking, usually one that is difficult or requires effort. |
| 9. enterprise | i. The flying or operating of aircraft. |
| 10. aviation | j. Conserving an ecological balance by avoiding depletion of natural resources. |
| 11. sector | k. Have a course of action as one's purpose or objective; plan. |
| 12. intend | l. A part of a nation's economy or society or of an area of activity such as education, tourism, health, aviation, etc. |
| 13. upbeat | m. Taken up or started to use or follow an idea, method, or course of action. |
| 14. sustainable | n. Optimistic. |

BEFORE READING / LISTENING

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

1. TRUE / FALSE: Read the headline. Guess if a-h below are true (T) or false (F).

- a. The airline maker Airbus has veiled plans for a zero-emission aircraft. **T / F**
- b. Airbus said it hopes all planes worldwide will be zero-emission by 2035. **T / F**
- c. Many in the aviation industry think airplanes should run on batteries. **T / F**
- d. Hydrogen-fuelled planes would require redesigned airports. **T / F**
- e. Airbus will choose one of four designs for its new aircraft. **T / F**
- f. Airbus said the designs signified a historic moment in aviation history. **T / F**
- g. The Airbus CEO was somewhat downbeat about the future. **T / F**
- h. The CEO said Airbus could meet the future sustainability challenge. **T / F**

2. SYNONYM MATCH:

Match the following synonyms. The words in **bold** are from the news article.

- | | |
|------------------------|----------------|
| 1. manufacturer | a. settled on |
| 2. predicts | b. idea |
| 3. concept | c. expand |
| 4. impractical | d. firm |
| 5. decisive | e. field |
| 6. adopted | f. maker |
| 7. sector | g. change |
| 8. transition | h. optimistic |
| 9. upbeat | i. anticipates |
| 10. scale up | j. unfeasible |

3. PHRASE MATCH: (Sometimes more than one choice is possible.)

- | | |
|---|-----------------------|
| 1. The airline manufacturer Airbus has unveiled | a. impact |
| 2. could be in | b. from battery power |
| 3. a shift away | c. action |
| 4. hydrogen | d. sector |
| 5. decisive | e. service by 2035 |
| 6. three possible | f. leading role |
| 7. the commercial aviation | g. ambitious plans |
| 8. We intend to play a | h. energy |
| 9. reduce aviation's climate | i. designs |
| 10. renewable | j. propulsion |

GAP FILL

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

The airline manufacturer Airbus has (1) _____ ambitious plans for the world's first zero-emission aircraft. The aerospace giant (2) _____ its hydrogen-powered commercial airplanes could be in service by 2035. The (3) _____ revealed by company engineers shows a shift away from battery power. Many in the industry believe batteries are the (4) _____ forward for carbon-zero airplanes. However, Airbus says batteries could (5) _____ impractical for large airliners and have opted for hydrogen (6) _____. A company spokesperson said the transition to hydrogen would require "decisive action from the (7) _____ aviation ecosystem". This means redesigned airports and (8) _____ different refuelling infrastructure.

concept
significantly
unveiled
prove
entire
predicts
way
propulsion

Airbus CEO Guillaume Faury said the company has three possible designs, one of which will be (9) _____ as a business enterprise. He said the three "ZEROe" designs represented "a (10) _____ moment for the commercial aviation sector as a whole". Mr Faury said: "We intend to play a leading (11) _____ in the most important transition this industry has ever seen." He added that the use of hydrogen as a (12) _____ had "the potential to significantly reduce aviation's climate impact". Faury was (13) _____ about the future, saying: "With the support from government and industrial (14) _____, we can rise up to this challenge to (15) _____ up renewable energy and hydrogen for the (16) _____ future of the aviation industry."

sustainable
historic
role
upbeat
adopted
fuel
scale
partners

LISTENING – Guess the answers. Listen to check.

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

- 1) The airline manufacturer Airbus has unveiled _____
 - a. ambitious planes
 - b. ambitious plants
 - c. ambitious spans
 - d. ambitious plans
- 2) The concept revealed by company engineers _____
 - a. shows a sift
 - b. shows a shaft
 - c. shows a shift
 - d. shows a sniff
- 3) prove impractical for large airliners and have opted _____
 - a. for hydrogen compulsion
 - b. for hydrogen propulsion
 - c. for hydrogen pre-pulse shun
 - d. for hydrogen propellers
- 4) hydrogen would require decisive action from the entire _____
 - a. aviator's ecosystem
 - b. aviating ecosystem
 - c. a violation ecosystem
 - d. aviation ecosystem
- 5) This means redesigned airports and significantly different _____
 - a. reef Yule in infrastructure
 - b. refuse long infrastructure
 - c. reef you in infrastructure
 - d. refuelling infrastructure
- 6) Airbus CEO Guillaume Faury said the company has _____
 - a. three possible designs
 - b. three possibly designs
 - c. three possible design
 - d. three possibly design
- 7) represented a historic moment for the commercial _____
 - a. aviation section
 - b. aviation nectar
 - c. aviation hector
 - d. aviation sector
- 8) We intend to play a leading role in the _____
 - a. most importance transition
 - b. most important transit shun
 - c. most important transition
 - d. mostly importantly transition
- 9) had the potential to significantly reduce aviation's climate impact. _____
 - a. Faury was upbeat
 - b. Faury was downbeat
 - c. Faury was on the beat
 - d. Faury was beat
- 10) from government and industrial partners, we can rise up to this challenge _____
 - a. two scale up
 - b. twos kale up
 - c. tooth kale up
 - d. to scale up

LISTENING – Listen and fill in the gaps

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

The airline manufacturer Airbus (1) _____ plans for the world's first zero-emission aircraft. The aerospace giant predicts its hydrogen-powered commercial airplanes could (2) _____ by 2035. The concept revealed by company engineers shows a shift away from battery power. Many (3) _____ believe batteries are the way forward for carbon-zero airplanes. However, Airbus says batteries (4) _____ for large airliners and have opted for hydrogen propulsion. A company spokesperson said (5) _____ hydrogen would require "decisive action from the entire aviation ecosystem". This means (6) _____ significantly different refuelling infrastructure.

Airbus CEO Guillaume Faury said the company has (7) _____, one of which will be adopted as a business enterprise. He said the three "ZEROe" designs represented "a (8) _____ the commercial aviation sector as a whole". Mr Faury said: "We intend to play a (9) _____ the most important transition this industry has ever seen." He added that the use of hydrogen as a fuel had "(10) _____ significantly reduce aviation's climate impact". Faury was upbeat about the future, saying: "With the support from government and industrial partners, we can rise up to this challenge to (11) _____ energy and hydrogen for the sustainable future of (12) _____."

COMPREHENSION QUESTIONS

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

1. What did the article say Airbus had unveiled?
2. By when does Airbus hope to have zero-emission planes in the air?
3. What do many in the industry believe airplanes should run on?
4. From whom would the transition require decisive action?
5. What kind of redesigned infrastructure might be needed?
6. How many designs does Airbus have for its new plane?
7. What did Airbus say the designs were a historic moment for?
8. What does Airbus want to play in the transition to zero emissions?
9. What will the zero-emission planes reduce?
10. What kind of future did the Airbus CEO talk about?

MULTIPLE CHOICE - QUIZ

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

- 1) What did the article say Airbus had unveiled?
 - a) a statue
 - b) ambitious plans
 - c) a new kind of engine
 - d) new cabin crew uniform
- 2) By when does Airbus hope to have zero-emission planes in the air?
 - a) 2050
 - b) 2040
 - c) 2030
 - d) 2035
- 3) What do many in the industry believe airplanes should run on?
 - a) batteries
 - b) oxygen
 - c) methane
 - d) biofuels
- 4) From whom would the transition require decisive action?
 - a) all pilots
 - b) all aviation schools
 - c) the entire aviation ecosystem
 - d) petrochemical engineers
- 5) What kind of redesigned infrastructure might be needed?
 - a) roads
 - b) refuelling
 - c) runways
 - d) departure lounges
- 6) How many designs does Airbus have for its new plane?
 - a) three
 - b) four
 - c) two
 - d) six
- 7) What did Airbus say the designs were a historic moment for?
 - a) flying
 - b) the company
 - c) the commercial aviation sector
 - d) European airplane manufacturers
- 8) What does Airbus want to play in the transition to zero emissions?
 - a) a leading role
 - b) a game
 - c) a huge part
 - d) second fiddle
- 9) What will the zero-emission planes reduce?
 - a) aviation's climate impact
 - b) the number of passengers
 - c) legroom
 - d) the prices of flights
- 10) What kind of future did the Airbus CEO talk about?
 - a) a rosy future
 - b) a space-age future
 - c) a future without frontiers
 - d) a sustainable future

ROLE PLAY

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

Role A – Airplanes

You think airplanes are the easiest things to reduce emissions for. Tell the others three reasons why. Tell them why their things aren't as easy. Also, tell the others which is the most difficult of these (and why): homes, farming or electricity production.

Role B – Homes

You think homes are the easiest things to reduce emissions for. Tell the others three reasons why. Tell them why their things aren't as easy. Also, tell the others which is the most difficult of these (and why): airplanes, farming or electricity production.

Role C – Farming

You think farming is the easiest thing to reduce emissions for. Tell the others three reasons why. Tell them why their things aren't as easy. Also, tell the others which is the most difficult of these (and why): homes, airplanes or electricity production.

Role D – Electricity Production

You think electricity production is the easiest thing to reduce emissions for. Tell the others three reasons why. Tell them why their things aren't as easy. Also, tell the others which is the most difficult of these (and why): homes, farming or airplanes.

AFTER READING / LISTENING

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

1. WORD SEARCH: Look in your dictionary / computer to find collocates, other meanings, information, synonyms ... for the words 'zero' and 'emission'.

zero	emission
-------------	-----------------

- Share your findings with your partners.
- Make questions using the words you found.
- Ask your partner / group your questions.

2. ARTICLE QUESTIONS: Look back at the article and write down some questions you would like to ask the class about the text.

- Share your questions with other classmates / groups.
- Ask your partner / group your questions.

3. GAP FILL: In pairs / groups, compare your answers to this exercise. Check your answers. Talk about the words from the activity. Were they new, interesting, worth learning...?

4. VOCABULARY: Circle any words you do not understand. In groups, pool unknown words and use dictionaries to find their meanings.

5. TEST EACH OTHER: Look at the words below. With your partner, try to recall how they were used in the text:

<ul style="list-style-type: none">• ambitious• service• forward• prove• require• different	<ul style="list-style-type: none">• possible• historic• play• use• upbeat• scale
---	---

ZERO-EMISSION AIRPLANES SURVEY

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

Write five GOOD questions about zero-emission airplanes in the table. Do this in pairs. Each student must write the questions on his / her own paper. When you have finished, interview other students. Write down their answers.

	STUDENT 1 _____	STUDENT 2 _____	STUDENT 3 _____
Q.1.			
Q.2.			
Q.3.			
Q.4.			
Q.5.			

- Now return to your original partner and share and talk about what you found out. Change partners often.
- Make mini-presentations to other groups on your findings.

ZERO-EMISSION AIRPLANES DISCUSSION

STUDENT A's QUESTIONS (Do not show these to student B)

1. What did you think when you read the headline?
2. What images are in your mind when you hear the word 'emissions'?
3. What do you know about Airbus?
4. How important is the aircraft manufacturing industry?
5. How important are zero-emission airplanes?
6. What do you think of air travel?
7. What do you know about hydrogen power?
8. Why do we travel around the world so much?
9. How else can aviation reduce its carbon footprint?
10. What advice do you have for Airbus?

Airbus unveils plans for zero-emission planes – 24th September, 2020
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ZERO-EMISSION AIRPLANES DISCUSSION

STUDENT B's QUESTIONS (Do not show these to student A)

11. Did you like reading this article? Why/not?
12. What do you think of when you hear the word 'airplane'?
13. What do you think about what you read?
14. What would life as Airbus' CEO be like?
15. What historic moments have there been in aviation history?
16. How can air travel be improved?
17. What would life be like without airplanes?
18. What three adjectives best describe this news?
19. What renewable energies show the most promise?
20. What questions would you like to ask the Airbus CEO?

DISCUSSION (Write your own questions)

STUDENT A's QUESTIONS (Do not show these to student B)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

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DISCUSSION (Write your own questions)

STUDENT B's QUESTIONS (Do not show these to student A)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

LANGUAGE - CLOZE

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

The airline manufacturer Airbus has unveiled (1) _____ plans for the world's first zero-emission aircraft. The aerospace (2) _____ predicts its hydrogen-powered commercial airplanes could be (3) _____ service by 2035. The concept revealed by company engineers shows a shift away from battery power. Many in the industry believe batteries are the way forward for carbon-zero airplanes. However, Airbus says batteries could (4) _____ impractical for large airliners and have opted for hydrogen propulsion. A company spokesperson said the (5) _____ to hydrogen would require "decisive action from the (6) _____ aviation ecosystem". This means redesigned airports and significantly different refuelling infrastructure.

Airbus CEO Guillaume Faury said the company has three possible designs, one of (7) _____ will be adopted as a business enterprise. He said the three "ZEROe" designs represented "a historic moment for the commercial aviation (8) _____ as a whole". Mr Faury said: "We (9) _____ to play a leading role in the most important transition this industry has ever seen." He added that the use of hydrogen as a fuel had "the potential to significantly reduce aviation's climate impact". Faury was (10) _____ about the future, saying: "With the support from government and industrial partners, we can (11) _____ up to this challenge to (12) _____ up renewable energy and hydrogen for the sustainable future of the aviation industry."

Put the correct words from the table below in the above article.

- | | | | | |
|-----|-----------------|---------------|---------------|-----------------|
| 1. | (a) ambition | (b) ambitious | (c) ambitions | (d) ambitiously |
| 2. | (a) monster | (b) giant | (c) ogre | (d) jumbo |
| 3. | (a) by | (b) on | (c) at | (d) in |
| 4. | (a) improve | (b) prove | (c) proof | (d) probe |
| 5. | (a) persistence | (b) material | (c) viable | (d) transition |
| 6. | (a) all | (b) partial | (c) entire | (d) utter |
| 7. | (a) which | (b) what | (c) whole | (d) all |
| 8. | (a) portion | (b) sector | (c) serving | (d) fraction |
| 9. | (a) inferred | (b) interred | (c) intense | (d) intend |
| 10. | (a) upbeat | (b) tempo | (c) cadence | (d) pulse |
| 11. | (a) rise | (b) arise | (c) raise | (d) rose |
| 12. | (a) scale | (b) limit | (c) flake | (d) deposit |

SPELLING

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

Paragraph 1

1. The airline ufacnruntare Airbus
2. unveiled subomiait plans
3. hydrogen-powered eoalcmcmir airplanes
4. hydrogen pproiounls
5. require ivciseed action
6. different refuelling nusrecarufitrt

Paragraph 2

7. adopted as a business etrseriepn
8. aotvanii sector
9. the most important rnonitstai
10. a fuel had the leitntapo
11. tndliuirsa partners
12. for the saleusbiatn future

PUT THE TEXT BACK TOGETHER

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

Number these lines in the correct order.

- () moment for the commercial aviation sector as a whole". Mr Faury said: "We intend to play a leading
- () fuel had "the potential to significantly reduce aviation's climate impact". Faury was upbeat about the future, saying:
- () spokesperson said the transition to hydrogen would require "decisive action from the entire aviation
- (**1**) The airline manufacturer Airbus has unveiled ambitious plans for the world's first zero-emission
- () up renewable energy and hydrogen for the sustainable future of the aviation industry."
- () prove impractical for large airliners and have opted for hydrogen propulsion. A company
- () power. Many in the industry believe batteries are the way forward for carbon-zero airplanes. However, Airbus says batteries could
- () adopted as a business enterprise. He said the three "ZEROe" designs represented "a historic
- () ecosystem". This means redesigned airports and significantly different refuelling infrastructure.
- () role in the most important transition this industry has ever seen." He added that the use of hydrogen as a
- () aircraft. The aerospace giant predicts its hydrogen-powered commercial airplanes could be in service
- () Airbus CEO Guillaume Faury said the company has three possible designs, one of which will be
- () "With the support from government and industrial partners, we can rise up to this challenge to scale
- () by 2035. The concept revealed by company engineers shows a shift away from battery

PUT THE WORDS IN THE RIGHT ORDER

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

1. first for Ambitious zero-emission aircraft . world's plans the
2. hydrogen-powered in could commercial airplanes be Its service .
3. batteries are believe the way Many forward .
4. decisive transition to action . hydrogen The would require
5. infrastructure . and significantly refuelling different airports Redesigned
6. said Faury three company has the designs . possible
7. represented "ZEROe" historic designs three a The moment .
8. leading A in role the important transition . most
9. climate impact . aviation's potential reduce significantly to The
10. industry . sustainable future of The the aviation

CIRCLE THE CORRECT WORD (20 PAIRS)

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

The airline manufacturer Airbus has *unveiled / involved* ambitious plans for the world's first zero-emission aircraft. The aerospace *giant / gigantic* predicts its hydrogen-powered commercial airplanes could be *on / in* service by 2035. The concept revealed by company engineers shows a *return / shift* away from battery power. Many in the industry believe batteries are the way *backward / forward* for carbon-zero airplanes. However, Airbus says batteries could prove *impractical / impartial* for large airliners and have opted for hydrogen propulsion. A company spokesperson said the *translation / transition* to hydrogen would require "decisive action from the *entirety / entire* aviation ecosystem". *This / Thus* means redesigned airports and significantly different *refuelling / recharging* infrastructure.

Airbus CEO Guillaume Faury said the company has three *possibly / possible* designs, one of which will *be / been* adopted as a business enterprise. He said the three "ZEROe" *designates / designs* represented "a historic moment for the commercial aviation *section / sector* as a whole". Mr Faury said: "We *intense / intend* to play a leading role in the most important transition this industry has *ever / even* seen." He added that the use of hydrogen as a fuel had "the *potent / potential* to significantly reduce aviation's climate impact". Faury was *downbeat / upbeat* about the future, saying: "With the support from government and industrial partners, we can *rise / raise* up to this challenge to scale up renewable energy and hydrogen for the *sustenance / sustainable* future of the aviation industry."

Talk about the connection between each pair of words in italics, and why the correct word is correct.

INSERT THE VOWELS (a, e, i, o, u)

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

Th_ _ _ r l_n_ m_n_f_c t_r_r A_r b_s h_s _n v__ l_d _m
b_t__s p l_n s f_r th_ w_r l_d' s f_r s t z_r_ -_m_s
s__ n __ r c_r f t. Th_ _ _ r_s p_c_ g__ n t p_r_d_c t_s
_t_s h_y d_r_g_n - p_w_r_d c_m m_r c__ l __ r p l_n s
c__ l d b_ _n s_r v_c_ b_y 2 0 3 5. Th_ c_n c_p t
r_v__ l_d b_y c_m p_n y _n g_n__ r_s s_h_w_s _ s_h_f
t _w_y f_r_m b_t t_r_y p_w_r. M_n y _n th_ _n d_s
t_r_y b_l__ v_ b_t t_r__ s _r th_ w_y f_r w_r d f_r
c_r b_n - z_r_ __ r p l_n s. H_w_v_r, A_r b_s s_y s
b_t t_r__ s c__ l d p_r_v_ _m p_r c_t_c_l f_r l_r g_ __
r l_n_r s _n d h_v_ _p t_d f_r h_y d_r_g_n p_r_p_l_s__
n. A c_m p_n y s_p_k_s p_r s_n s__ d th_ t_r_n
s_t__ n t_ h_y d_r_g_n w__ l_d r_q__ r_ "d_c_s_v_ _c
t__ n f_r_m th_ _n t_r_ _v__ t__ n _c_s_y_s_t_m". T
h_s m__ n s r_d_s_g_n_d __ r p_r t_s _n d s_g_n_f_c_n
t_l_y d_f_f_r_n t r_f__ l_l_n g _n f_r_s t_r_c_t_r_.

A_r b_s C E O G__ l_l__ m_ F__ r_y s__ d th_ c_m
p_n y h_s th_r__ p_s s_b_l_ d_s_g_n s, _n_ f w_h_c
h w_l_l b_ _d_p t_d _s _ b_s_n_s s _n t_r_p_r_s_. H_
s__ d th_ th_r__ "Z E R O_" d_s_g_n s r_p_r_s_n t_d
" _h_s t_r_c m_m_n t f_r th_ c_m m_r c__ l _v__ t__
n s_c_t_r _s _ w_h_l_". M_r F__ r_y s__ d: "W_
_n t_n d t_ p_l_y _ l__ d_n g r_l_ _n th_ m_s t _m
p_r t_n t t_r_n s_t__ n th_s _n d_s t_r_y h_s _v_r
s__ n." H_ _d d_d th_t th_ _s_f h_y d_r_g_n _s _
f__ l_ h_d " th_ p_t_n t__ l_ t_ s_g_n_f_c_n t_l_y
r_d_c_ _v__ t__ n' s c_l_m_t_ _m_p_c_t". F__ r_y w_s
_p_b__ t _b__ t th_ f_t_r_, s_y_n g: "W_t h th_
s_p_p_r t f_r_m g_v_r_n_m_n t _n d _n d_s t_r__ l p_r t
n_r s, w_ c_n r_s_ _p t_ th_s c_h_l_l_n g_ t_ s
c_l_ _p r_n_w_b_l_ _n_r_g_y _n d h_y d_r_g_n f_r th_
s_s t__ n_b_l_ f_t_r_ _f th_ _v__ t__ n _n d_s t_r_y."

PUNCTUATE THE TEXT AND ADD CAPITALS

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

the airline manufacturer airbus has unveiled ambitious plans for the worlds first zeroemission aircraft the aerospace giant predicts its hydrogenpowered commercial airplanes could be in service by 2035 the concept revealed by company engineers shows a shift away from battery power many in the industry believe batteries are the way forward for carbonzero airplanes however airbus says batteries could prove impractical for large airliners and have opted for hydrogen propulsion a company spokesperson said the transition to hydrogen would require decisive action from the entire aviation ecosystem this means redesigned airports and significantly different refuelling infrastructure

airbus ceo guillaume faury said the company has three possible designs one of which will be adopted as a business enterprise he said the three zeroe designs represented a historic moment for the commercial aviation sector as a whole mr faury said we intend to play a leading role in the most important transition this industry has ever seen he added that the use of hydrogen as a fuel had the potential to significantly reduce aviations climate impact faury was upbeat about the future saying with the support from government and industrial partners we can rise up to this challenge to scale up renewable energy and hydrogen for the sustainable future of the aviation industry

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2009/200924-zero-emission-aircraft.html>

TheairlinemanufacturerAirbusahasunveiledambitiousplansforthewor
ld'sfirstzero-emissionaircraft.Theaerospacegiantpredictsitshydrog
en-poweredcommercialairplanescouldbeinserviceby2035.Theconc
eptrevealedbycompanyengineersshowsashiftawayfrombatterypow
er.Manyintheindustrybelievebatteriesarethewayforwardforcarbon-
zeroairplanes.However,Airbussaysbatteriescouldproveimpracticalf
orlargeairlinersandhaveoptedforhydrogenpropulsion.Acompanyspo
kersonsaidthetransitiontohydrogenwouldrequire"decisiveaction
fromtheentireaviationecosystem".Thismeansredesignedairportsan
dsignificantlydifferentrefuellinginfrastructure.AirbusCEOGuillaume
Faurysaidthecompanyhasthreepossibledesigns,oneofwhichwillbead
optedasabusinesenterprise.Hesaidthethree"ZEROe"designsrepres
ented"ahistoricmomentforthecommercialaviationsectorasawhole".
MrFaurysaid:"Weintendtoplayaleadingroleinthemostimportanttran
sitionthisindustryhaseverseen."Headdedthattheuseofhydrogenasa
fuelhad"thepotentialtosignificantlyreduceaviation'sclimateimpact".F
aurywasupbeataboutthefuture,saying:"Withthesupportfromgovern
mentandindustrialpartners,wecanriseuptothischallengetoscaleupre
newableenergyandhydrogenforthesustainablefutureoftheaviationin
dustry."

HOMEWORK

1. VOCABULARY EXTENSION: Choose several of the words from the text. Use a dictionary or Google's search field (or another search engine) to build up more associations / collocations of each word.

2. INTERNET: Search the Internet and find out more about this news story. Share what you discover with your partner(s) in the next lesson.

3. ZERO-EMISSION AIRPLANES: Make a poster about zero-emission airplanes. Show your work to your classmates in the next lesson. Did you all have similar things?

4. AVIATION: Write a magazine article about only zero-emission airplanes being allowed to fly from 2035. Include imaginary interviews with people who are for and against this.

Read what you wrote to your classmates in the next lesson. Write down any new words and expressions you hear from your partner(s).

5. WHAT HAPPENED NEXT? Write a newspaper article about the next stage in this news story. Read what you wrote to your classmates in the next lesson. Give each other feedback on your articles.

6. LETTER: Write a letter to an expert on zero-emission airplanes. Ask him/her three questions about them. Give him/her three of your opinions on aviation. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

ANSWERS

VOCABULARY (p.4)

1. f 2. a 3. d 4. b 5. g 6. e 7. c
8. m 9. h 10. i 11. l 12. k 13. n 14. j

TRUE / FALSE (p.5)

- a F b F c T d T e F f T g F h T

SYNONYM MATCH (p.5)

1. f	2. i	3. b	4. j	5. d
6. a	7. e	8. g	9. h	10. c

COMPREHENSION QUESTIONS (p.9)

1. Ambitious plans
2. By 2035
3. Batteries
4. The entire aviation ecosystem
5. Refuelling
6. Three
7. The commercial aviation sector
8. A leading role
9. Aviation's climate impact
10. A sustainable future

WORDS IN THE RIGHT ORDER (p.20)

1. Ambitious plans for the world's first zero-emission aircraft.
2. Its hydrogen-powered commercial airplanes could be in service.
3. Many believe batteries are the way forward.
4. The transition to hydrogen would require decisive action.
5. Redesigned airports and significantly different refuelling infrastructure.
6. Faury said the company has three possible designs.
7. The three "ZEROe" designs represented a historic moment.
8. A leading role in the most important transition.
9. The potential to significantly reduce aviation's climate impact.
10. The sustainable future of the aviation industry.

MULTIPLE CHOICE - QUIZ (p.10)

1. b 2. d 3. a 4. c 5. b 6. a 7. c 8. a 9. a 10. d

ALL OTHER EXERCISES

Please check for yourself by looking at the Article on page 2.
(It's good for your English ;-)