

TECHNIK MUSEUM SPEYER The Museum Quiz



1. Wright-Flyer (1903)

In the foyer of the TECHNIK MUSEUM SPEYER there is a replica of the first motorized glider by the Wright Brothers from the year 1903 hanging from the roof. It already shows many features of modern aircraft like pitch elevator, side rudder and wing torsion.

How are the counterrotating propellers driven?

- R - by a belt
- E - by a chain

2. Liller Hall

The Liller Hall, one of the exhibition halls of the TECHNIK MUSEUM SPEYER, was built in 1913. It served as a factory hall for airplanes until it became a museum in 1991. Since it is of great historical value, in fact it is under historical preservation protection today, and even the hall crane is still existing it can be considered the largest exhibit item of the museum.

On how many columns does the hall roof rest (bricked columns are not counted)?

- N - 41 columns
- I - 57 columns
- S - 65 columns

3. Steam locomotive "Qian Jin" (1964)

The steam locomotive "Qian Jin" weighs 152 tons. It was transported to the TECHNIK MUSEUM SPEYER on a special trailer. "Qian Jin" is Chinese and means "progress" in English. Such locomotives were in use in China until 1988.

How many tons of coal could the Qian Jin carry in its tender?

- A - about 10 tons
- J - about 14 tons
- P - about 20 tons

4. Diesel engine with electric generator (1920)

This huge Diesel engine was built in 1920 and, for its time, had an impressive output of 250 hp. It is connected to an electric generator by a leather belt and was used for electric power generation.

How many specimens of this engine were produced?

- O - 4 specimens
- M - 11 specimens
- S - 39 specimens

5. Two-floor carousel with organ (about 1890)

The two-floor carousel located in the center of the historical Liller Hall was built around 1890. For the background music accompanying a ride it contains a more than 150 years old organ built by the company Bruder of Waldkirch in the Black Forest.

Until when was the carousel used for fairs or festivities?

- O - 1890
- R - 1964
- Y - 2002

6. The Tree (2001)

Since the 1980s the German adventurer Rüdiger Nehberg is fighting for the survival of the Yanomami tribe in Brazil. To create public awareness for the dangers faced by the Yanomami Indians he started a 4000 km long voyage across the Atlantic from Mauritania to Brazil with the dug out "The Tree", now on display in the museum, in January 2001.

How many days did it take for Rüdiger Nehberg to cross the Atlantic with his dug out?

- A - 43 days
- C - 53 days
- K - 60 days

7. Daimler bus (1914)

Although this historical bus had a power of only 35 hp it could climb a gradient of 14 degrees. Its top speed of 28 km/h was also remarkable for its time.

In which city was the Daimler bus last used?

- A - Sinsheim
- W - Speyer
- E - Netphen

8. Welte Philharmonic Organ (1916)

The fully automatic Welte Philharmonic Organ is one of the most sophisticated musical instruments of all times. Only six specimens were built worldwide. It was very expensive and, at its time, cost as much as 50 Ford Model T cars.

How many pipes has this historical instrument?

- V - none
- B - 1,500 pipes
- O - 2,500 pipes

9. Mil Mi 14 PL helicopter (1980)

This Russian military helicopter was built in the former Soviet Union and was also employed in the former German Democratic Republic (GDR).

What is a special feature of the Mil Mi 14 PL?

- R - it can swim on water
- T - it was the first helicopter which could carry more than 20 people

10. Antonov AN-22

To date the Antonov AN-22 is the largest series-produced propeller driven airplane in the world. Without problem it can accommodate and take-off with 100 tons of cargo. If required it can even land and take-off on bumpy airfields like grass strips.

How much power (in hp) have the four engines of the Antonov An-22 counted together?

- O - 30,000 hp
- L - 60,000 hp
- E - 120,000 hp

11. Boeing 747 Jumbo Jet

After more than 96,000 flight hours and a covered distance of more than 80 million kilometers the Jumbo Jet on display in the TECHNIK MUSEUM SPEYER was decommissioned in 2002 and transported to the museum in a spectacular action.

How long is the fuselage of the Boeing 747?

- D - about 50 meters
- I - about 65 meters
- D - about 70 meters

12. Transrapid 04 (1975)

The Transrapid is a magnetic monorail which, without any contact, glides on the rail lifted by a magnetic field. During test runs speeds of up to 250 km/h were attained.

Which German company was in charge for the development of the Transrapid 04?

- E - Mercedes-Benz
- O - Krauss-Maffei

13. Russian space shuttle BURAN

The Russian Space Shuttle BURAN on display in the TECHNIK MUSEUM SPEYER was a prototype which, amongst other things, was used for testing the automatic approach for a landing during the return to Earth. For testing purposes a scaled model of the BURAN was built which is also on display in the space flight hall.

What's its name?

- U - HAU-1
- F - BOR-5
- E - SÄG-3

14. Spacelab laboratory

In space scientists can perform experiments which are not possible on Earth. Thus, very expensive space laboratories have been built for doing research in the weightlessness of space. One of these was the Spacelab. The Spacelab training module shown in the museum was used by the astronauts to prepare for their missions before they journeyed into space.

There have also been two German Spacelab mission. How were they called?

- B - DDR1 and DDR2
- R - Germanlab 1 and Germanlab 2
- T - D1 and D2

15. International Space Station ISS

The International Space Station ISS, jointly developed by several countries for the exploration of space, is floating 380 kilometers above the Earth.

How large is the ISS?

- E - about 104 m x 80 m
- M - about 120 m x 80 m
- U - about 130 m x 110 m

16. Space flight equipment

Besides the large space flight exhibit items, like the space shuttle BURAN, there is also a lot of space flight equipment to be seen in the museum, e.g. space suits, helmets and space food. These rare items, which were specially developed for space flight, are quite valuable. An original space suit, for instance, costs more than most luxury cars.

Who has donated the blue NASA pilot helmet which is on display in the museum?

- A - Gerhard Thiele
- C - Hans Schlegel
- D - Thomas Reiter

17. Friedel Münch exhibition

One of the exhibitions in the space flight hall is dedicated to the German motorcycle constructor Friedel Münch. In 1966 he became famous when he presented the first motorbike powered by a car engine.

How did Friedel Münch call his motorcycles?

- S - Münch Mufflon
- H - Münch Mammut
- R - Münch Hausen

18. Rescue cruiser John T. Essberger

During 35 years of service the rescue cruiser John T. Essberger of the German Maritime Search and Rescue Service saved many lifes.

What was the top speed of this ship?

- O - 26 loops
- D - 26 braids
- N - 26 knots

19. Daughter ship of the John T. Essberger

For salvaging shipwrecked people from the sea more often than not the small daughter ship of the John T. Essberger was deployed. What is the name of the daughter ship located at the rear of the rescue cruiser?

- O - Elsa
- A - Lisa
- D - Elisa

20. Submarine U9

The U9 belongs to the third generation of German submarines. It has covered a distance of 174,850 nautical miles which corresponds to eight circumnavigations of the Earth.

How heavy is the U9?

- K - 320 tons
- U - 412 tons
- L - 466 tons

21. House boat Sean o'Kelley

On the open air ground of the TECHNIK MUSEUM SPEYER there is a vintage coaster on display which was built in 1923 and towed to the museum in 2004.

What is the name of the famous family of musicians who once lived on this boat?

- O - The Kelly Family
- E - The Lighthouse Family
- W - Jay Sean and Family

22. Model ship Bremen IV

The Guinness Book of Records lists this model ship as the largest seaworthy model ship of the world. It is fully operational and once even circled around the Statue of Liberty in New York.

How is this model ship powered?

- G - by two Diesel engines
- R - by four electric motors

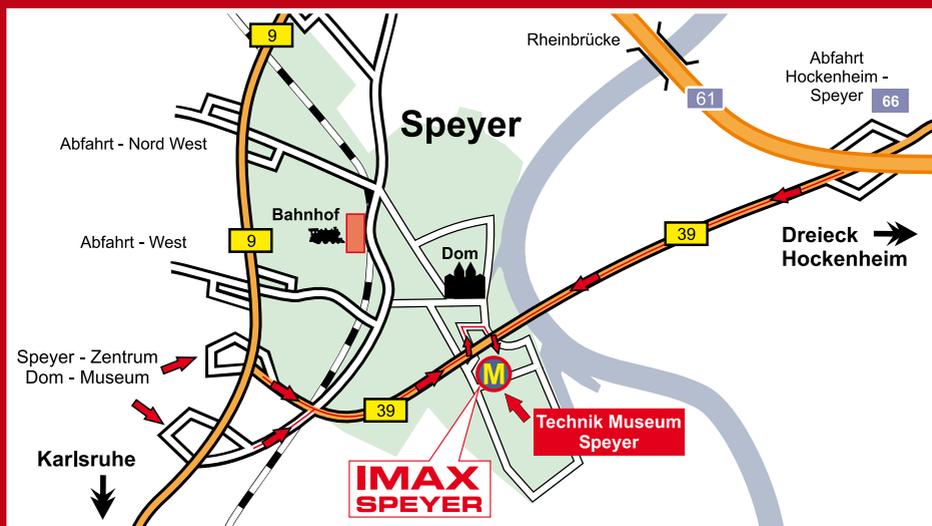
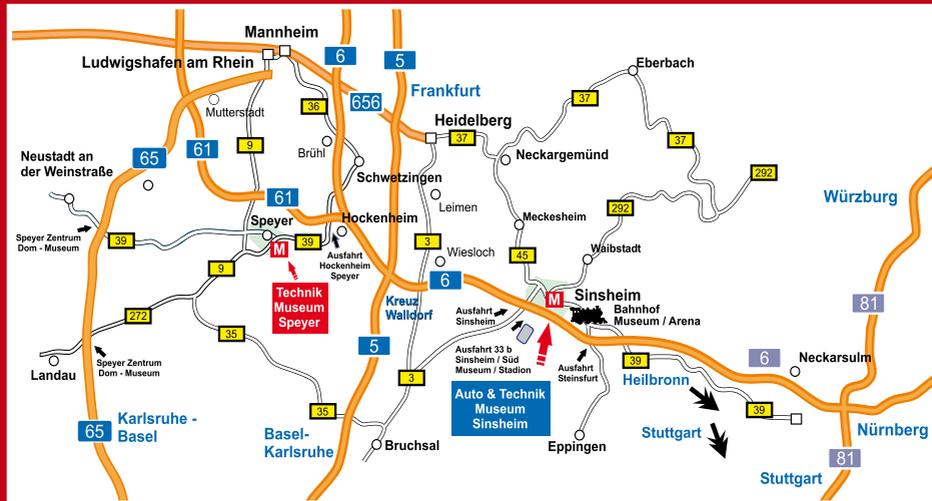
23. Maybach motor boat

This vessel is an original wooden boat built in Sweden in the 19th century. It is equipped with one of the first Maybach boat engines.

What is the date that is written on the side of the motor boat?

- L - 1883
- Y - 1893
- W - 1905

TECHNIK MUSEUM SPEYER



The Museum

The TECHNIK MUSEUM SPEYER is full of fantastic exhibits waiting to be discovered by you. In the open air ground you can climb around in an original Jumbo Jet, visit the cargo bay of a huge transportation plane and even inspect the interiors of a submarine and a rescue cruiser. But that is still not all! In the museum halls the visitors can experience Europe's largest space exhibition including a Russian BURAN space shuttle, locomotives, vintage cars, fire engines, motorcycles and much more. One attraction unique in Germany is the IMAX Dome movie theater. In this movie theater of superlatives the film is not projected on a flat screen but rather on a gigantic dome with an area that is larger than a construction site.

Arrival

The TECHNIK MUSEUM SPEYER can easily be reached via the autobahn A6 (Koblenz-Speyer). The museum is located in the very center of Speyer, just a few minutes' walk away from the imperial cathedral. From the autobahn exits "Speyer" and "Speyer / Hockenheim" the signs "Speyer" and "Speyer / Museum", respectively, will directly guide you to our large car and bus parking lots. The TECHNIK MUSEUM SPEYER is located within the VRN tariff zone and thus can also easily be reached by public transport. From the main station Speyer a shuttle bus will take you directly to the museum. **Dogs are not allowed in the museum and the IMAX movie theater!**

Opening hours

The TECHNIK MUSEUM SPEYER is open 365 days a year from 9 am to 6 pm*

*On Saturdays, Sundays and bank holidays open from 9 am to 7 pm. On 24 and 31 December shorter opening hours.

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