

HIGH-SPEED TRAINS

High-speed trains

High-speed trains are trains that go faster than 200 km/H. These trains go on special Railways, which is fenced, whatever man or beast accidentally got in the way at the train. The rails are welded so that instead of short sections with frequent seams, you get one continuous path. This allows the trains to develop greater speed. And to obtain a high speed of such trains has an aerodynamic shape (for example, bullet shape).

The speed record

The first time was able to accelerate the train to 206 km/h in Germany in 1903, this made the company Siemens. Today the speed record on a train more than 574 kilometers per hour was established on 3 April 2007 the French TGV train. In Russia, the first high-speed train launched in 2009 and it also made the firm Siemens.

Modern high-speed trains can reach speeds of up to 350-400 km/h.



Japanese train Shinkasen



High-speed trains in Japan

Now high-speed trains are in many countries of the world, but the first public high-speed railway did the Japanese. Laid her in 1964 between the two large cities of Osaka and Tokyo. The characteristic appearance it is called "bullet train" or Shinkansen.

French high speed train TGV



French high speed train TGV

DVT is not the first commercial high-speed train in Japan line Shinkansen were first combined in Tokyo and Osaka on 1 October 1964, that is, 17 years before the first flight of DVT.

However, TGV holds the world speed record for conventional trains on electric traction 574 km/h While the average speed during a typical trip to DVT is only 263 km/H.

The Shanghai Maglev, China



The Shanghai Maglev, China

In the early 21st century, the world leader in network of high-speed lines, as well as the exploiter of the first regular high-speed "floating" trains became in China.

The Shanghai Maglev is the fastest of the existing trains of this class in the world. It speeds up to 431 km/h!

Russian Sapsan



High-speed train "Sapsan"

High-speed train "Sapsan"
made to Russia by the
German company "Siemens".
"Sapsan" speeds up to 250
km/h . The name of the train
received from the fastest bird
in the Falcon family.

Conclusions

Despite of the fact that the average speed of passenger jets - 1000 km/h and the average speed of high-speed passenger trains 300 km/h if the distance between cities does not exceed 1000 km, then getting faster, easier and convenient high-speed train!

Thank you for your attention...

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