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6

news -

Tesla unveils semi truck

After months of delays, Tesla finally unveiled its 'revolutionary' semi truck in a livestream on 16 November 2017. The truck can drive 500 miles on a single charge, which was higher than some analysts had expected.



10

self-driving vehicles

After more than eight years of development, Waymo is now taking the next step toward unlocking the potential of fully self-driving technology. Waymo's fully self-driving vehicles are now test-driving on public roads, without anyone in the driver's seat. To date, Waymo vehicles have been operating on public roads with a test driver at the wheel.



regulars

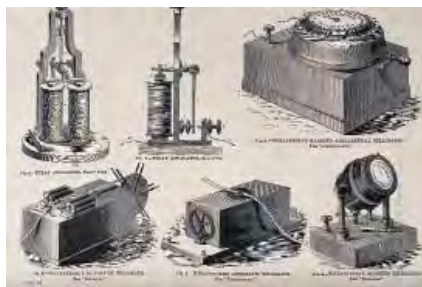
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Researchers produce an energy-harvesting wallpaper	
Dream Chaser: The lifting-body spacecraft has been in development for more than a decade and is designed to deliver up to 5,500 kg of cargo to the space station.	
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Frank Egersdörfer, CEO of Nuremberg-based Cosmino AG, talks about Industry 4.0 and what companies should do to take advantage of new opportunities.	
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electrified freight traffic	14
As it will not always be possible to transfer more freight traffic to rail, this traffic will have to be carried by trucks that combine reliable service with minimum environmental impact. Siemens' eHighway is said to be a solution to this problem. It supplies trucks with power from an overhead contact line.	
rocket drone tops out at Mach 0.8	22
MIT partnered with the United States Air Force to create a drone rocket capable of top speeds over 960 km/h and can sustain those speeds for three minutes or longer.	
satellite tracks ozone pollution	26
NASA-funded research has devised a way to use satellite measurements of precursor gases.	
driving a new generation of toolmaking	38
Audi is making its production ready for Industry 4.0.	

history - the first electric telegraph

On 25 July 1837, William Fothergill Cooke, an English inventor, and Charles Wheatstone, an English scientist, made the first electric telegraph communication between the station rooms at Camden Town and London Euston.



61

topic - who controls the internet?

Facebook and Google now have direct influence over nearly three quarters of all internet traffic, prompting warnings that the end of a free and open web is imminent. In a far-reaching blogpost titled "The Web Began Dying in 2014, Here's How," programmer André Staltz details how the dynamics of power on the web have "drastically changed" in recent years.



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technology

basics 20

What is telecommunication(s)? Basically, telecommunication is the transmission of signs, signals, messages, words, writings, images and sounds or information of any nature by wire, radio, optical or other electromagnetic systems. Telecommunication occurs when the exchange of information between communication participants includes the use of technology.

technical dictionary 28

Telecommunications

history audio 63

Early inventions of the electric telegraph.

worldwide

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Smack-bang in the middle of Western Europe, this compact multilingual country effortlessly blends the historic with the new; from countless castles and medieval belfries to innovative art museums and hip cafes. Expats wanting to work in the country that is home to the de facto capital of the European Union will need to make considerable preparations.

travel 42

Maldives: Luxury, stunning white-sand beaches and an amazing underwater world make the Maldives an obvious choice for a true holiday of a lifetime.

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grammar review 52

Easy fixes. This grammar review looks at relatively simple aspects of the English language that should not be an issue but are.

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small talk with friends 58

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