

Tiny — Tinier — Tiniest



The world's latest "tiniest" computer has been unveiled by scientists at the University of Michigan. Measuring just 0.3mm—significantly smaller than the previous record holder, a 1mm x 1mm computer introduced this past March by IBM—it is so tiny that it makes a grain of rice look gigantic.

Working within the diminutive dimensions of the new device, UM scientists have included RAM,

photovoltaics, processors and wireless transmitters and receivers, but the device has to receive and transmit data using visible light as it is too small to hold conventional radio antennae. The result is a small, biocompatible temperature sensor that can measure changes in extremely small regions, such as a group of cells in a body, meaning the device could be used for applications in healthcare, particularly in oncology.

Increasingly sophisticated, micro computers can be used for a range of applications including healthcare research and diagnostics, oil reservoir monitoring, biochemical process monitoring, and audio and visual surveillance.

Microsoft Takes the Plunge



Leveraging technology from submarines, Microsoft has sunk a data center in the sea off the coast of Orkney, in the Northern Isles of Scotland. The move is a milestone in Microsoft's Project Natick, a years-long research effort into environmentally sustainable, pre-packaged data center units that can be ordered to size, rapidly deployed and left to operate lights out on the seafloor for years.

The underwater data center in Orkney could remain submerged for up to five years. The hope is that conditions in the sealed container, combined with more effective cooling from the surrounding water, will reduce failure rate and contribute to significantly reduced cooling costs. An undersea cable will provide power and deliver data to the internet.

With more than half of the world's population living in coastal areas, Microsoft hopes that by improving sustainability and cutting the distance that data must travel, submersible data centers will vastly improve user experience of web surfing, media streaming and gaming, particularly in light of rising AI-driven technologies.

DID YOU KNOW The Brain

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The human brain weighs about 1,300 grams (approximately 3 lbs)

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Although it only accounts for about 2% of total body weight in humans, the brain receives 15-20% of the body's oxygen and blood supply—if that supply stops, consciousness is lost within seconds and brain cells start to die within five minutes

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If you laid out all of the blood vessels in your brain end-to-end, they would stretch over 160,000 km (100,000 miles)

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The brain is composed of nearly 60% fat—in fact, fatty acids are among the most crucial molecules that determine your brain's integrity and ability to perform

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During the early stages of development, in early pregnancy, as many as 250,000 neurons are formed every minute

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The average human brain contains approximately 86 billion neurons, of which 16 billion in the cerebral cortex

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There are no pain receptors in the brain—that's why surgeons can perform brain surgery on patients who are still awake

LACOSTE SWAPS CROCODILE LOGO FOR ENDANGERED SPECIES

In a bid to raise awareness about endangered species, Lacoste replaced its iconic crocodile logo with images of ten critically endangered species. The limited edition polo shirts were available as part of the company's Save Our Species campaign, a three-year initiative between Lacoste and the International Union for Conservation of Nature (IUCN), with all income from the sales going to the IUCN.

The ten animals replacing the traditional crocodile were the Vaquita porpoise, Burmese roofed turtle, Northern lemur, Javan rhino, Cao-vit gibbon, Kakapo parrot, California condor, the Saola, Sumatran tiger, and the Anegada ground iguana. To drive the point home, Lacoste calibrated production to correspond to the number of animals of each species left in the wild. With the highest numbers, the Anegada ground iguana accounted for 450 polos, while a mere 30 polos were made featuring the Vaquita porpoise. The company produced a total of 1,775 polos for the campaign. The initiative marks the first time since Lacoste adopted the crocodile logo in 1936 that the company has produced clothing featuring other animals.



PINA CALDERA RESIDENCE , OIA - SANTORINI

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The Aria Hotels philosophy is founded on three principles: respect for the environment, an appreciation of culture, and a passion for discovery.

Each hotel has been selected for its architectural merit and its contribution to the preservation of local heritage. Outstanding quality in service and accommodation are the core of the Aria Hotels experience.

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Scent of A Goddess

The National Archaeological Museum of Athens is celebrating its 150th anniversary with an exhibition that honors the central role of beauty in ancient Greece. "The Countless Aspects of Beauty," which opened on May 25, 2018, offers visitors the opportunity to explore different aesthetics from across the country's ancient history, from the Neolithic period up to late Antiquity. Aphrodite, the goddess of love, beauty and desire, is at the heart of the exhibition, which features 340 artefacts from the museum's collections as well as digital media applications to bring the items to life. Adding a unique layer to the experience, the museum partnered with Greek natural cosmetics company Korres and their R&D and scent laboratories to recreate the scents of antiquity. Focusing on three fragrances—rose, coriander and sage—and turning to ancient sources—including Linear B tablets from the Mycenaean Period—to identify the ingredients and methods used, the team were able to bring to life the fragrances of ancient Greece. The exhibition has been a resounding success with the public and is expected to run until the end of 2019.