

Weekly Discovery

We SHARE to inspire and ignite ideas!

21 March 2016 – 25 March 2016

ARCHITECTURE

Solar-Powered Building Paves The Way To A More Sustainable Campus



Sustainable design has been a popular trend in recent years. The [Polak](#) building at Erasmus University in the Netherlands is perhaps one of the most sustainable buildings. It features natural lighting, a climate control system, natural ventilation and solar cells installed on the glass roof. The building aims to harvest energy while allowing sunlight to pass through.

Source: [Inhabitat.com](#) (March 2016)

INNOVATION

The Best-Trained Ear



Introducing Augury - a new device that can listen to any machine, to predict technical faults! Augury has an ultrasonic sensor that plugs into a smartphone and a technician places the device on a machine. Once the device detects technical issues with a machine, audio data is relayed to Augury's servers, and a diagnosis is made. Then the fixing can start. For more information on the device, you may refer to this [website](#).

Source: [Entrepreneur](#) (March 2016)

ROBOTICS

Watch Six Tiny Robot Ants Pull A 1.8-Tonne Car



Now heavy objects need not be dragged into difficult areas by huge machines. This can be accomplished with these tiny robot ants! By using two simple wheels and controllable adhesives to apply interaction forces, these tiny robots are able to pull object more than their body weight! Get technical insights on these robots in this [research paper](#) from the library's subscription!

Source: [Wired](#) (March 2016)

SMART HOME

The Innovators: The Smart Plug Socket That Saves You Money And Gives Peace Of Mind



A 20-year-old recently came up with a smart plug system, as described in this [article](#). The switch in this system does not need to be turned on directly. Rather, it can be turned on and off just by pressing the button of a remote control. It can save on electricity bills, as one would not neglect to turn off the power when the devices are not in use. It can also be an aid for disabled people to independently operate the switches.

Source: [The Guardian](#) (March 2016)

TECHNOLOGY

The "Environment Dress" Predicts Wearer's Emotions



Imagine others knowing your mood just by looking at your dress. Now it's possible with recently developed an 'environment dress' which can get information about surrounding environmental elements to study how it affects people's emotions. The dress collects data, including temperature, ultraviolet radiation and noise to understand the emotions of the wearer. The dress can then adapt itself to the wearer.

Source: [Mobile Industry Review](#) (March 2016)

TRENDS

Tech Trends 2016: 8 Trends Disrupting Technology



These days, every company seems to be a technology company, thanks to a business climate driven by powerful digital forces, disruption and fast-moving innovation. This report looks into eight trends such as [autonomic platforms](#), [blockchain](#), [right-speed IT](#) and others, demonstrating how technology leaders can shape tomorrow for every corner of their organizations.

Source: [Deloitte University Press](#) (March 2016)