



Press release
Wednesday, March 22, 2017

BOUYGUES CONSTRUCTION AND HTC VIVE TO COLLABORATE ON DEVELOPING VIRTUAL REALITY TRAINING FOR ACCIDENT PREVENTION ON CONSTRUCTION SITES

Following a first testing module concerning risks associated with the placement of formwork elements, Bouygues Construction and HTC Vive™, are convinced of the potential of virtual reality for raising awareness and for training. They have reached an agreement for raising awareness and training in situations where employees are at risk.

Thanks to virtual reality, which can be used to simulate at-risk situations under conditions that are close to real life but pose no actual danger, Bouygues Construction's site workers will be made aware of hazards and trained using realistic practical cases. This will help them anticipate and perform better when faced with hazardous and at-risk situations.

Hervé Fontaine, Vice President, Virtual Reality B2B and Business Development at HTC Vive, said: "Bouygues Construction has already shown itself to be a pioneer with regard to virtual reality applications for visualising buildings and structures before construction and making more informed choices during the design phase. It was obvious that our collaboration could go further with respect to aspects relating to construction sites, safety and training. The Vive Business Edition will enable Bouygues Construction to roll out its virtual reality trainings in its internal network. The recent arrival of Vive Tracker, which makes it possible to use real objects as tools within virtual reality training modules, opens up very interesting possibilities for training that deals with at-risk situations in an extremely convincing way."

Roland Le Roux, Head of Virtual Reality and Open Innovation at Bouygues Construction, said: "Virtual reality is proving extremely popular in property development, architecture and the design of structures. The whole purpose of the collaboration between Vive and Bouygues Construction is to bring virtual and augmented reality into the universe of construction sites and the operation of buildings and structures. In these areas, the Vive Business Edition system is clearly the most effective tool and the one that is closest to our needs, particularly because of its range of accessories."

As anyone who has had the experience of donning a Vive virtual reality headset and standing above a virtual precipice or in the virtual path of a fast-moving car will attest, the sensations of vertigo or fear that are created are extremely realistic.

Sensory immersion makes it possible to simulate a falling object onsite, a fire, a missing safety barrier or the effect of having your capacities reduced by drink or drugs so that, in a risk-free environment, people can experience accidents that would have heavy consequences in real life.



Future development is leading to the manipulation of real objects in the virtual world, thanks in particular to research recently launched for a doctoral thesis, as well as to human interactions that could make distance learning possible, especially with regard to high-risk tasks.

This innovation will be presented on Bouygues Construction's stand at the BIM World exhibition on March 29 and 30, 2017, at the Espace Grande Arche at Paris-La Défense. Watch it via https://www.youtube.com/watch?v=j4tsYAk_oM

About VIVE

VIVE is a first-of-its-kind virtual reality platform developed by HTC and Valve for total immersion in virtual worlds. Designed from the ground up for room-scale VR and true-to-life interactions, VIVE delivers on the promise of VR with game-changing technology and best-in-class content. VIVE has been recognized with over 65 awards and wide critical acclaim since its unveiling in 2015. For more information, visit www.VIVE.com.

About HTC

HTC Corporation aims to bring brilliance to life. As a global innovator in smart mobile devices and technology, HTC has produced award-winning products and industry firsts since its inception in 1997, including the critically acclaimed HTC One and HTC Desire lines of smartphones. The pursuit of brilliance is at the heart of everything we do, inspiring best-in-class design and game-changing mobile and virtual reality experiences for consumers around the world. HTC is listed on the Taiwan Stock Exchange (TWSE: 2498). www.htc.com

#

HTC, the HTC logo are the trademarks of HTC Corporation. All other names of companies and products mentioned herein may be the trademarks of their respective owners.

About Bouygues Construction

Bouygues Construction is a global player in construction, with operations in more than 80 countries. It designs, builds and operates projects in the sectors of building, infrastructure and industry. As a responsible and committed leader in sustainable construction, Bouygues Construction sees innovation as its primary source of added value: this is "shared innovation" that benefits its customers at the same time as improving its productivity and the working conditions of its 50,100 employees. In 2016, Bouygues Construction generated sales of €11.8 billion.

Press contact: Jessica Swiderski – j.swiderski@bouygues-construction.com – Tel. (+33) 1 3060 2805