

3D Laser Scanner with Automatic In-field Pre-registration



Hexagon has announced the launch of the Leica RTC360, a laser scanner equipped with edge computing technology to enable fast and highly accurate creation of 3D models in the field. It is one of the many innovations being showcased this week at [HxGN LIVE 2018](#), Hexagon's annual digital technology conference.

The RTC360 combines high-performance laser scanning, edge computing and

mobile app technologies to pre-register captured scans quickly and accurately. With the push of a button, two million points per second of High Dynamic Range (HDR) imagery can be captured to create a full-dome scan in under two minutes. Laser scanner movements between setup positions are automatically tracked by a Visual Inertial System (VIS) while scans are combined and pre-registered on a mobile device, where they can be viewed and augmented with information tags – saving precious time and speeding up decision-making right from the field.

The Leica RTC360 has been designed for maximum productivity. For construction professionals, plant operators, public safety officials, and other professionals who face complex projects with tight constraints, it provides a better way to digitally capture the reality of their sites – and process and visualise that data for faster, immediate decision making, said [Ola Rollén](#), Hexagon President and CEO. What these professionals do on site every day is challenging, and Hexagon aims to continue to make their work quicker, easier, and more accurate, he added.

