As part of the Leica Geosystems Reality Capture 360 solution, the high-performance Leica Cyclone FIELD 360 mobile-device app is the perfect field companion for the Leica RTC360 3D laser scanner, as well as the Leica BLK360 imaging laser scanner. With its intuitive user interface, remote scanner control and on-site point cloud display, navigation is a breeze – even for novice users – with full imagery and point cloud data delivered directly to your tablet or smartphone using edge computing technology.

Direct data access and visualisation are the foundation for quality control in the field; with Cyclone FIELD 360, automatically pre-registered point cloud data enables users to quickly conduct on-site quality control checks, improves productivity and makes for better-informed decisions in the field.

For improved registration in Leica Cyclone REGISTER 360 post-processing, and to add extra value and information to 3D data, Cyclone FIELD 360 enables on-site tagging of measurements, videos, images, text or voice files to the point cloud geometry simply by using your tablet or smartphone.

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Leica Cyclone FIELD 360 Product Specifications

GENERAL
iOS or Android app  
In-the-field app for remote scanner control, data management, quality control, data tagging and automatic pre-registration on-site

SCANNER CONTROL
Remote scanner control with access to all control features

DATA MANAGEMENT
Create, edit and delete scan jobs

DATA COMMUNICATION & TRANSFER
Communication  
Bi-directional wireless communication between scanner and tablet
Transfer  
Automatic transfer of scan data from scanner to tablet; automatic synchronisation of all app created data from tablet to the RTC360

QUALITY CONTROL
Point cloud navigation  
Navigate single and registered point clouds in 2D map view, 360° panoramic view or in full 3D view. See Live Scanner Position (RTC360 only).
Point cloud display  
Display point clouds in full HDR colour, rainbow intensity or grey-scale mapping
Measurement  
Take and tag measurements within the point cloud

DATA TAGGING
Add image, video, voice, text or any other file-based tags to point cloud

PRE-REGISTRATION
Auto alignment  
Visual Inertial System (VIS) technology based automated alignment of RTC360 scan setups for targetless cloud-to-cloud registration
Visual alignment  
Move and rotate scan setups for a quick visual alignment for cloud-to-cloud registration

INTEROPERABILITY
Sensor hardware  
Leica RTC360 laser scanner & Leica BLK360 imaging laser scanner
Cyclone software  
Leica Cyclone REGISTER 360 1.6 (or higher) or Leica Cyclone 9.4 (or higher) to support data import. Requires active Cyclone REGISTER or Cyclone REGISTER 360 (incl. BLK Edition) licence for activation.

SYSTEM REQUIREMENTS
Platform  
Android tablet computer or phone running on Android 7.0 or higher on 64-bit arm architecture with 64-bit operating system and at least 3 GB of RAM, e.g. Samsung Galaxy Tab S4 and Samsung Galaxy S9, S9+, S10, S10+
Apple iPad tablet computer or Apple iPhone running on iOS 12 or higher with 64-bit operating system and at least 3 GB of RAM, e.g. iPad Pro with 10.5” screen and iPhone 8 plus, iPhone X, iPhone XR, iPhone XS, iPhone XS Max

ORDERING INFORMATION
Contact your local Leica Geosystems representative or an authorised Leica Geosystems distribution partner.