Leica Cyclone 3DR The all-in-one deliverable solution

3DR
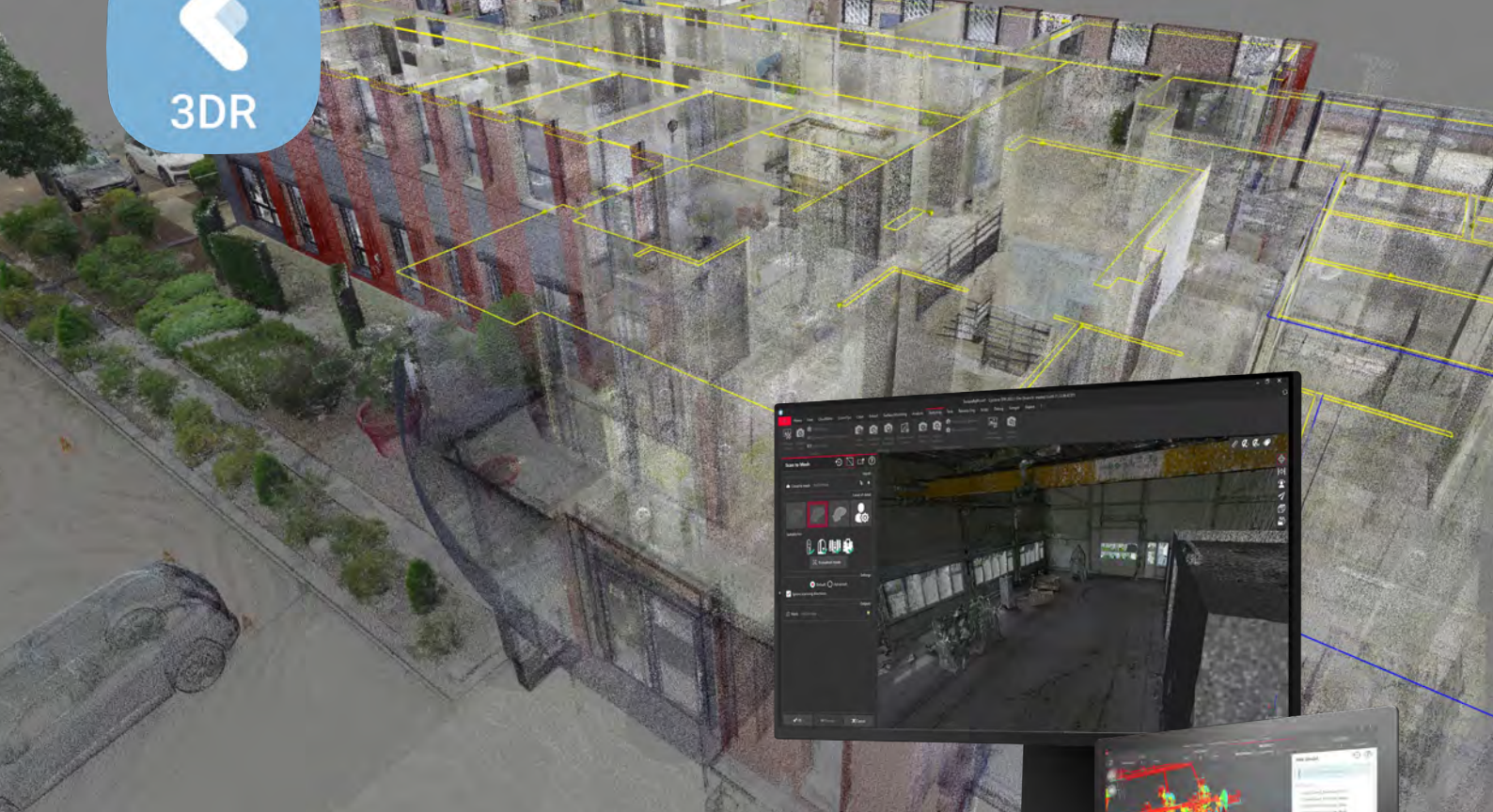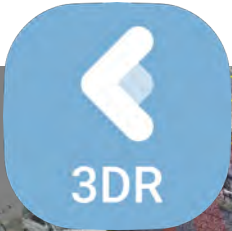
Guided workflows

Leica Cyclone 3DR offers specialised workflows to meet the needs of key industries with applications in transportation, architecture, engineering, construction land surveying and tank inspection. Each workflow is designed for ease of use so users of any skill level can easily execute complex tasks and produce professional and easy-to-understand deliverables. Special editions are available for AEC, survey, and tank applications.

Smart automation

Cyclone 3DR leverages smart automation to make short work of common tasks such as cleaning, classifying, modelling, meshing, feature extraction, inspection and reporting. Load models, meshes and points simultaneously to visualise designs in context or QA construction activities against design intent.

Simple, professional deliverables

Cyclone 3DR helps users of any skill level produce a wide range of professional deliverables. Easily publish standalone deliverables like fly-through videos and orthoimages or use Cyclone 3DR's unique dynamic reporting engine to customise report templates with 2D and 3D elements, images and numeric data, BCF issues for BIM applications and more. Where applicable, reporting conforms to industry standards.

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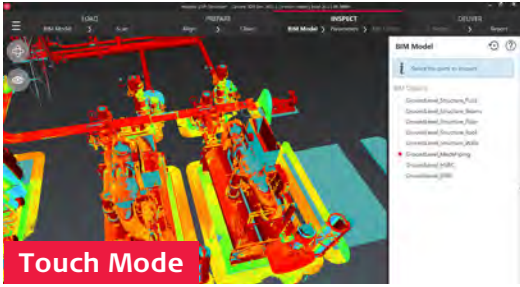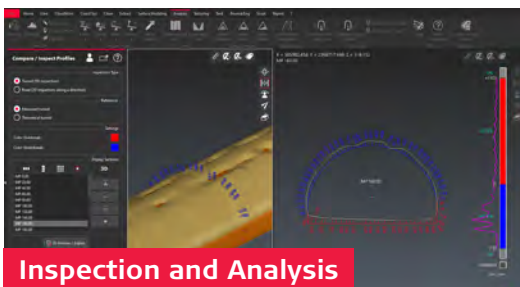## Key features and benefits

Touch Mode

Benefit from touch-friendly guided workflows to connect to Leica Cyclone field applications, do as-built analysis, and create real-time colour maps and reports to support rapid decision-making in the field.

Inspection and Analysis

Inspect tunnels, roadways and more and produce comprehensive reports for immediate analysis or delivery to stakeholders.

Robust QA

User-defined tolerances for accuracy and precision are analysed and delivered to users for quick, visual QA checks or thorough client reporting.


BIM & CAD

Support for IFC and Revit files allows users maximum flexibility for working and exchanging design models with other stakeholders. BIM progress monitoring workflow allows for quick inspection and reporting against installed members.


Fast, Light Meshing

Process large point clouds quickly and easily to obtain lightweight, accurate, and beautiful models. Automated Scan-to-Mesh and Smart Texturing deliver professional-level one-click results.
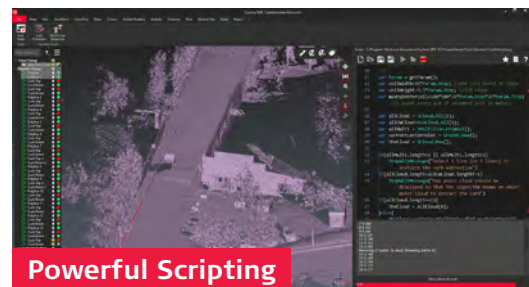

Powerful Scripting

JavaScript environment to write functions to automate repetitive tasks. A handful of helpful scripts come pre-loaded to automate feature extraction and more.
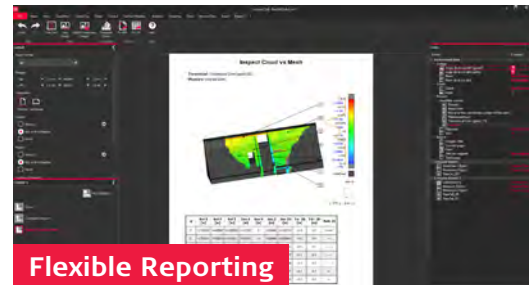
Flexible Reporting

Complete and customisable reports can be exported as 2D or 3D PDFs to best communicate project results to stakeholders, as well as CSV files or BCF issues for collaboration with BIM.
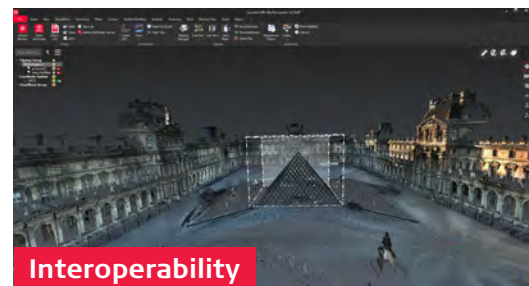
Interoperability

In addition to its large compatibility with CAD software and Hexagon solutions such as MinePlan, Cyclone 3DR is part of the connected Cyclone ecosystem. Accept points directly from Cyclone REGISTER 360, ENTERPRISE, and LGS through native CloudWorx support.

- when it has to be **right**

Leica
Geosystems