



LFM Server allows the user to take pre-registered laser scan data and create a single source dataset. All the relevant data is then available at the user's fingertips. Extensive development over a decade has ensured an efficient product that allows high levels of productivity all whilst being intuitive and easy to use.

All Cultural Heritage projects from small to large can benefit from the LFM Server approach.

Where the Cultural Heritage customer wishes to scan a large historical site, LFM Generator an option to LFM Server allows the user to compile a database of every scan taken. These pre-compiled point databases facilitate extremely rapid viewing of the site. Each database can be generated from an unlimited number of individual scans. Compiled databases can be linked to provide immediate access to even larger databases where required. The latest version of LFM Server now allows the user to load more than one database in any session.

Once created, the single source dataset allows the user to think about the data as a whole. Individual scans are no longer required.

If the user wishes they can load the volume of laser scan data at an exceptionally high resolution via innovative BubbleView technology. BubbleViews allow true 360° rotation of a high resolution intensity image, allowing the user to view even the finest details of an item of cultural or historical interest.

Customers have commented that it is such a powerful feature that the user has the feeling of being at the scan scene.

Furthermore LFM Server does not limit the number of BubbleViews that can be displayed simultaneously.

Colour information is becoming increasingly important for laser scanner users within Cultural Heritage. Where data has been captured in colour, the latest version of LFM Server is able to load this colour information with the associated BubbleView.

Autodesk

LFM Server also features a multitude of CAD links to packages from leading CAD vendors such as Autodesk and Bentley. Z+F UK is part of the Autodesk Developer Network and has recently introduced AutoCAD 2009 compatibility.



We are also a part of the Bentley Developer Network. Many of the CAD interfaces have been developed hand in hand with the CAD vendors. This has ensured an integration which is seamless, enabling users to work between LFM and their preferred CAD or Review package. This seamless interface allows CAD drawings of an item of interest to be produced with incredible ease.



3D view of "Moai" monumental statues native to Easter Island.