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POINT CLOUD & 3D CAD PROCESSING BUREAU

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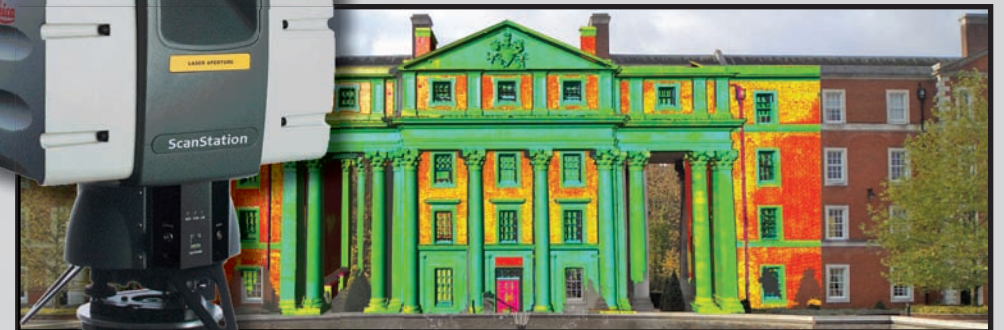
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POINT CLOUD PROCESSING



3D CAD BUREAU





BB Consulting is a 3D laser scanning company specialising in 2D & 3D "as built" data processing of plant, oil & gas facilities, architectural and heritage, engineering structures & buildings.

We offer low cost solutions to clients and other survey companies including scanner rental as well as an **outsourcing service** to process scan data, produce 3D models in a variety of formats, draw 2D plans, elevations, cross sections & animations through our low cost Far East office.

Laser scanning is no longer a new technology, the industry is now at a stage where it is accepted for its benefits over conventional survey techniques and as a result service providers are operating in an increasingly competitive market.

As with all business, healthy competition pushes senior managers and directors into looking at methods for cost cutting, improvements in efficiency and bettering the service they are offering to their customers.

One of the obvious areas for cost cutting in the laser scanning workflow is in the post processing stage. During this phase there are many options available to the industry for savings and improving efficiency and most of these come in the form of point cloud processing software and manpower.

Your choice of processing software and processing techniques will depend on your area of expertise. Laser scanning, like conventional survey, has found its uses in a wide range of sites from Archaeological digs to Nuclear power stations and the deliverables required for each of these can be very different. However the fieldwork stages are similar, whether you are scanning an ancient monument or doing as built's for a nuclear power station the methods used for data collection are the same.

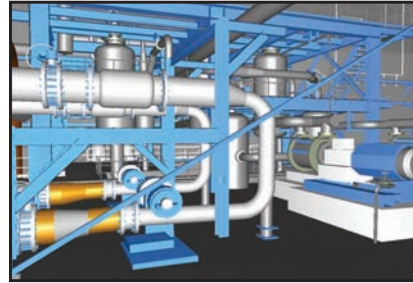
So where does BB Consulting fit into this? BB Consulting Ltd has worked hard over the last few years to develop relationships with various companies, and countries, to come up with a solution. We are now able to offer our services along with Geoindo of Indonesia and Trikonex of Dominica to provide a dedicated and very capable low cost outsourcing solution for the processing of laser scanning projects on both small and large scales, across most areas of expertise and for anywhere in the world.

We are able to accept point clouds from ANY major laser scanner model or manufacturer and have a wide range of processing applications and techniques to suit most needs.

Our ties with Geoindo in Indonesia provide access to a large 3D CAD bureau based in Bandung on the Island of Java. The bureau contains highly qualified and professional CAD staff with qualifications ranging from Electrical engineering to Architectural certifications and many of the staff have working experience on our overseas oil & gas projects.

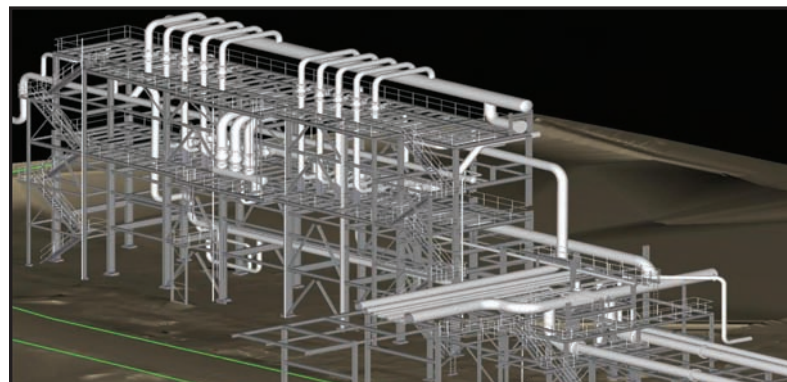
So, why outsource when you can do it yourself? Well the answer is simple, we can do it cheaper and faster than you can.

BB Consulting Ltd has working experience and clients in the UK and Europe, Africa, The US, The Middle East and The Far East.



Typical Deliverables Include:

1. 3D Model (Photo / Colour Textured)
2. 3D Model in PDS / PDMS format
3. 2D Drawings in AutoCAD / Microstation format.
4. 3D Animation / Visualisation
5. Panoramic photographic surveys
6. 3D Meshing & Texture mapping
7. Point cloud cleanup & registration



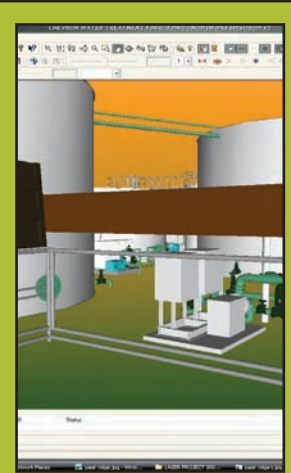
These are just a few of our successfully completed projects, please check our website for more www.bbconsultingltd.co.uk

PLANT PROJECTS

One of the major disadvantages of modelling plant is the sheer density and complexity of the point cloud and resulting 3D models. Using our range of 3D modelling tools, including Leica's Cyclone software, we are able to quickly and accurately model any plant project of any size.

Many of our clients are unable to complete large scale 3D modelling projects on time or within budget due to the level of manpower required, this problem can easily be solved using our large capacity 3D CAD & Point Cloud processing bureau in the Far East. The cost benefits & speed of service using this solution are easily passed onto the end user helping to make your services more competitive.

Using our close ties with our existing clients we have also developed the ability to provide 3D models in many formats including PDS, PDMS and other intelligent modelling and engineering applications.



ARCHITECTURAL & HERITAGE PROJECTS

Many laser scanning projects are carried out by small survey companies who are not able to cope with large scale projects and the majority of any laser scanning projects workload is in the processing of the survey data. Through our processing service we are able to help small or large over capacity survey companies to handle any project. With our range and depth of experience we are able to process point clouds into a wide range of quality deliverables and have worked on many prestigious projects such as The Ritz Hotel in London and Lowther Castle (shown below).



MULTI-PLATFORM

A major, and often overlooked cost when carrying out laser scanning projects is the software involved in the processing. BB Consulting Ltd has available a wide range of software and well trained technical specialists to carry out the work. Deliverables can be in many formats including PDMS, PDS, CadWorx, Autoplant & other intelligent modelling and engineering software. Training in the use and development of such deliverables is also provided.

(Left) Part of a 3D CAD model of an onshore processing facility near Abu Dhabi, the 3D model was also imported into CadWorx.