

## Real-time Data Logging

### INDUSTRY

Subsea

### LOCATION

UK

### PROJECT

Development of Real-time Data Logging.

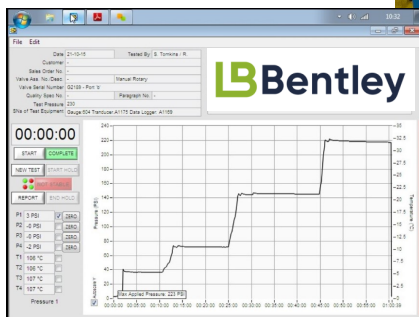
### The challenge

LB Bentley 's identified a way to potentially deliver a higher level of service to our customers in a more cost effective way by the introduction of a unique Data Logging system, which allows online streaming of live FAT test results in an instant graphical format.

One of the major challenges we faced was the required investment in the necessary equipment, such as the installation of remote controllable High Definition (HD) Cameras and ensuring that this equipment was fully scoped at the outset of the project.

Another challenge was the requirement to increase our dial-up capacity, delivering the quickest possible links to the internet which meant the investment in state of the art technology. This includes multi-point, fault tolerant, resilient, high performance internet connections that are backed by a formal Service Level Agreements (SLA).

### Remote Data Logging Control Unit



### The solution

The combination of the installed equipment and the upgraded internet capabilities put LB Bentley in a position to offer customers the ability to witness and review FAT testing live and remotely.

This unique service delivers a number of benefits to both the customer and ourselves.

The benefits to the customer are:

- Greater flexibility regarding what gets witnessed and when, delivering the ability to witness more projects.
- Reduced third party witness costs – no travel costs and overnight expenses.
- Ability to utilise in-house resource, therefore no external contractors costs.
- The ability to review the test result not just live online but off-line if required.
- Confidence that LB Bentley can deliver solutions and high quality products every time.

The benefits to LB Bentley are:

- No need to accommodate Third Party Investigators on site.
- Enables us to have greater flexibility delivering better utilising of the test cells, resulting in an increase in productivity.

### The outcome

The customer now has the ability to remote witness their chosen FAT testing live on-line, realising all of the benefits that this unique system delivers.

A nominated customer inspector has direct access to the tester via a web address and direct phone number. On completion of the testing a hard PDF copy of the FAT results will be sent to the customer inspector for electronic sign off. The approved FAT results will then be added to the Manufacturing Record Book (MRB).



## Unique facilities to enhance customer service requirements