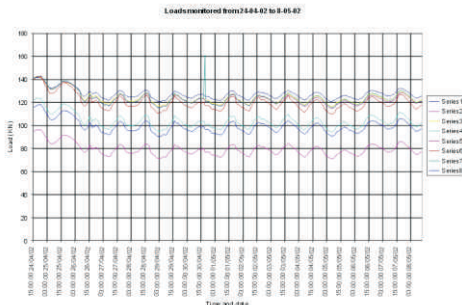


Pre-tensioned members are a common feature of steel fabricated buildings and the precise control of the applied loads is being specified more often by Structural Engineers.

Strainstall provide a full support service to construction companies whose projects require structures to be pre-loaded. By the installation of strain gauge Load Measurement Systems, to give precise measurements of the loads applied during pre-tensioning, we can remove any question about the current loaded condition of your structure. Our technicians can mobilise within days to install the equipment with minimum disruption.



The whole procedure is completely non-intrusive to the load bearing members, installation and removal is a simple and quick operation that will not interfere with the structures material properties.

Typically, such as at the Jamestown Road site seen here, a sample rod is gauged and calibrated to provide a type test that is used as the basis for future load measurement of the structural members.

Our technicians would then fit the strain gauges to your tendons/hangers and hook up the signal cables to our Data Acquisition System.

After unloaded datums are taken our system constantly monitors and records the levels of pre-load which are applied, all channels are measured simultaneously so that the true state of loading of the whole assembly is measured. For those complex pre-tensioning jobs where the pre-loads can fluctuate, our multichannel system provides that extra level of confidence in the pre-tensioning procedure.

Strainstall's team of experienced engineers operate from offices in Cowes, Bath and Aberdeen (UK), Norway, Belgium, USA and Dubai.

- Precise Control Of Pre-loading
- Multichannel Systems
- All Measurement Recorded
- On-site Comprehensive Service
- Measurements Traceable To National Standards
- Type Tested Installations For Extra Accuracy

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