

Future proof your loadbank control system

Crestchic introduced new controller technology in 2020. The new **Nova** system has been designed using the latest microprocessor technology, paired with **Orion** control system software.



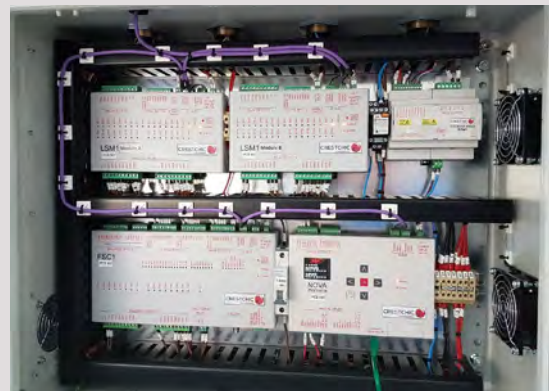
The constant evolution of microprocessor technology means that the components for older hardware are becoming increasingly hard to come by, and software is also moving on at pace.

To future-proof your load bank, we recommend that you upgrade your Crestchic load bank to the Nova control system to prevent any downtime due to component failure or obsolescence.

The benefits of upgrading

As well as ensuring that your load bank is fit for the future, the Nova control system, paired with Orion software, also offers:

- Individual or multiple load bank operation from a single controller
- System extendible to control up to 15 load banks with proportional load-sharing
- High speed fibre optic control cabling, operable over a much greater distance
- Typical load resolution of 1kW/1kVAR across the load bank range
- Load-step synchronisation mechanism produces clean load switching, both within a single load bank and across multiple units
- True RMS 3-phase instrumentation with high speed data sampling to an accuracy of better than 1%
- Display of Ph-Ph or Ph-N voltages with kVA, KW and currents, both per phase and totalled
- Twenty user-definable preset loads stored in non-volatile memory
- Motor-Test facility for marine usage
- Automatic sequencing by the load bank of load profiles prepared from the preset loads by the user
- Transient response data for voltage and frequency recorded at each load-change



NOVA System PCB's

Once upgraded, your load bank will be operable with all compatible Nova-controlled Crestchic load banks, allowing it to interconnect to all new build Crestchic products.

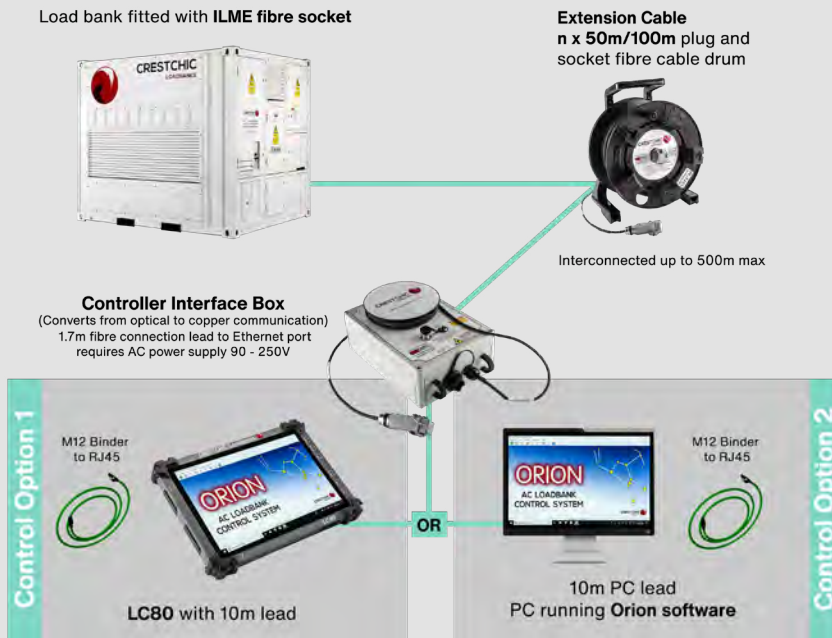
LC80 Tablet

The Orion control system features a large operating interface display which can be provided by a rugged IP65 Crestchic LC80 tablet or a standard PC computer, allowing data and frequency response curves to be displayed clearly. Orion's PC software is fully Windows compatible and can be run with 32-bit or 64-bit version on Windows 7,8 or 10.

Advanced features of the control system can be easily accessed such as graphical display of transient performance at load change, recording of instrumentation data and storage of multi-user-defined load-profiles. The Orion AC load bank control system is designed for use in resistive/reactive or resistive-only operations, with up to 15 load banks controlled by one controller.



Fast, interference-free fibre-optic communications



Communications between each Orion load bank and its controller uses network technology to provide fast, high-bandwidth data transfer capabilities.

The LC80 benefits from connection to the load bank(s) by means of super-fast fibre optic cable.

With long distances of up to 500m possible with the need for signal boosting, and total immunity to electrical noise interference, Crestchic's fibre control is a natural choice for demanding industrial power testing environments.

How to upgrade

Upgrading your load bank control system can be completed either here in our workshops, or on site, depending on the size and location of the equipment. Full operational training on the Orion system will be provided by one of our fully-trained engineers.

Please contact the Service Team here at Crestchic for more details and an upgrade quotation.

For further information contact:

Crestchic (UK) Limited
Second Avenue,
Centrum 100
Burton-on-Trent, DE14 2WF
United Kingdom

Tel +44 (0) 1283 531645
Fax +44 (0) 1283 510103
service.uk@crestchic.com
www.crestchicloadbanks.com

The information given in this literature is, to the best of our knowledge, correct at the time of going to print.

However, Crestchic is constantly looking at ways of improving their products and services and therefore reserve the right to change, without prior notice, any of the data contained in this publication.

Any orders placed will be subject to our standard conditions of sale or hire, available on request.