



HBL IN “THE CLOUD”

Data centres and communications networks host “The Cloud” – and we are all becoming dependent on the reliability and speed of this conceptual representation of data transmission, processing and storage – whether we know it or not. As consumers of data services we simply want to know our Apps work. To ensure they do, major players in the IT/Data/Comms sector are building and managing hyper reliable data processing and storage facilities. And the pace is growing.

A leader in the field is ST Telemedia of Singapore. ST Telemedia is a global investor in communications, media and data centres. They have established major facilities across India and chosen HBL pure lead batteries to underpin the power supplies at their facilities. Presently HBL’s pure lead batteries are supporting around 70MW load. STT has plans to scale this up to a huge 200MW in next 3 years.

This application is critical with the design back up of 8 mins for UPS ratings of 1000KW, 750KW & 500KW. The pure lead is selected due to its overall reliability, long life, extreme high rate discharge performance and the ability to be recharged extremely fast in the event of being called upon to power the UPS.

When selecting the right batteries, HBL pure lead batteries comprising 2 x 480V 600Ah outperformed regular VRLA batteries of 480V, 3000Ah. This is a 65% savings in space and weight – and cost. This offered ST Telemedia huge savings in initial capital investment, air conditioning, space and operational expenses. The result is a battery installation with impressive life cycle cost savings.

HBL Has been awarded a three year contract from ST Telemedia for supply of our batteries for their new projects in India. We will support their growth and the reliability of “The Cloud”.



BUILDING TO INTERNATIONAL STANDARDS

From the very start of our company HBL’s founder, **Dr A J Prasad**, decided HBL would build our products to the most exacting international standards rather than settle for less demanding levels of quality and reliability. This has served the company well and benefitted our valued Indian customers as well as securing a healthy export business. Today we are able to name many internationally recognized companies and public bodies as our customers:

- New York City Transit Authority
- Siemens
- AEG
- TATA
- Cummins
- Schneider Electric
- The Indian Armed Forces and
- Bombardier Aerospace

are a small selection of the customers we serve on a regular basis.

The company’s philosophy to “build the best battery available” has ensured we gain the trust and confidence of our demanding customers – and we have been fortunate to be recognised by many of them for the long, reliable service our products have delivered. A few of those in India include :

- The Government of India, Dept of Atomic Energy – Nickel cadmium batteries and rectifiers – in service for more than 16 years.
- Indian Oil Corporation, Panipat Plant – Numerous nickel cadmium batteries – in service for more than 15 years.
- Steel Authority of India, Durgapur – nickel cadmium batteries – in service for 17 years.
- Reliance Industries, Bhopal – Nicad batteries – reliably in service today after 19 years.

We would like to thank these, and our many other customers worldwide for the confidence they have placed in HBL products.

RAILWAY INNOVATION – BATTERY MONITORING

Railway operators have a large fleet of batteries on their vehicles to ensure safety in an emergency situation. Modern train systems monitor almost every aspect of their trains' performance – but have largely ignored the final line of defence – the battery. Most rail vehicle engineers rely on the brief physical inspection when the vehicle is available in the workshops to check the batteries "health". Beyond a brief voltage check little else can be checked in the time available.

New York City Transit recognised that this may not be enough to ensure system reliability and asked if HBL could help improve the monitoring of their batteries. The result – is a robust battery monitor system – that continually monitors the battery and stores the data on-board for fast downloading when the vehicle returns to the depot after a few days or several months.

The monitor is able to read and record – voltage, current, Ampere hours in/out, monitor the battery usage, temperature and provide alarms for hydrogen detected in the battery box. It also has the capability to be installed as an OEM part and interfaced with existing train data systems when new fleets are being constructed.

HBL provides the necessary software for data analysis or the user may offload data to excel files for trending and fault finding.

The HBL data module has been field tested and is provided in a robust enclosure with military style connectors for security.



Please contact us if we can provide you with more information on this exciting new product.

Send us your queries in contact@hbl.in or visit our power electronics group website www.hblelectronics.com

TRACTION POWER IN PANAMA

HBL has not only built power electronics and battery systems for India! Our systems have been trusted in many blue-chip projects of national importance. The new greenfield metro for Panama City opened in 2014 – and the rectifiers that support the traction substations for the line were proudly built and tested in India before deployment by Alstom.

The fleet is in service today – ensuring citizens in Panama City a seamless commute.



HBL CUSTOMER SUPPORT

HBL produces sophisticated products for critical industries. To ensure their continued performance our customers invest in understanding the correct way to specify, select and care for their batteries and power electronics – to ensure maximum reliability in their applications. To assist with this HBL offers regular training opportunities – both in the field and in the factory. We are able to offer schools in battery sizing and application engineering, the basics of day to day maintenance through to trouble shooting and fault repair of older installations.

HBL has resident professionals to ensure timely field support – with >200 field techs in India and an international team able to travel from our Hyderabad or US base – we are ready to serve your service needs.

Please contact us if you would like to arrange a training session on your premises or ours. We have not let Covid hold us back – where physical travel is currently restricted, we are running virtual workshops.



Technicians and management of KOC take a short break.



Muscat Electricity with "real world" classroom

About HBL - HBL is a 43 year old research led Indian company listed on the Indian stock exchanges. We design and manufacture the world's widest range of specialized batteries and related electronics. We supply customers in the telecoms, industrial, military, railway, utility and UPS markets worldwide. We are able to supply products from standard ranges and to provide customized designs for challenging projects. We would be pleased to hear from you. For more information please visit our website www.hbl.in

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