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TSL features intelligent power supply system

An intelligent power supply — which just got more intelligent with recent software upgrades — is one of the highlights at UK-based systems integrator TSL.

Properly known as “Intelligent Power Distribution, Management and Control”, the unit can be used by anybody, not just broadcasters. It can monitor the power status of anything from a set of broadcast equipment on a rack to all the lights and air-conditioning in a building.

Probably most remarkable is its ability, via an Internet connection, to monitor, diagnose and control a remote piece of equipment that may be thousands of kilometres away.

Chris Excelby, general manager for TSL Professional Products, explains: “If a piece of equipment gets damaged, its power usage will be cut off, or reduced if it switches to a backup power unit. This information will show up on a display screen in the control room. An operator can quickly identify the fault and, if necessary, re-start the unit, immediately or after

a programmed time lapse.”

While TSL has had such a system for some years, recent software updates include features such as setting alarms when power usage for each piece of equipment either exceeds or drops below certain levels. If needed, an alert SMS will be sent to the relevant persons.

To conserve energy, the unit can be programmed to automatically switch off non-essential equipment when they are not needed (at night) and re-start them when necessary (in the morning). This can reduce power consumption substantially, by up to 40% for an average broadcaster.

“The intelligent power supply makes three groups of people happy,” Excelby notes. “The engineer is happy because he knows what is going on. The financial person is happy because the company saves money. And the business owner is happy because the company earns a ‘green award’ for being eco-friendly.”

On the subject of awards, TSL is also proud to showcase its range of audio monitoring units that have won several awards in recent years, including the CPI Award in 2010 and the Royal Television Society (RTS) and TV Technology Star awards in 2009.

When TSL’s flagship PAM-23G16 Dolby decoding multi-channel audio monitoring unit won the 2009 RTS Innovation Award in the hardware category, the awards jury noted that “getting audio right these days is in many cases becoming more tricky than video and this new audio monitor brings real convenience to the increasingly hectic broadcast environment”.

Excelby says: “Since then, additional software releases have improved loudness measurement capability, added lip-sync audio delay capability and improved data reporting.”

TSL is located at **booth 4E2-01**.



Chris Excelby is on hand at TSL booth 4E2-01.