Coherent overall package

Location: Deutschlandsberg, Austria
Segment: Machine OEM—Electronic Manufacturing Services
Challenge: A redundant, central UPS system with cabling and external bypass switch
Solution: Two three-phase Eaton 20 kVA 9355 UPSs with Intelligent Power Software, battery extension module and Hot Sync functionality
Results: A high-availability solution that monitors around 60, predominantly virtual, servers, as well as elements of building services, air conditioning systems and production

Background
Given that equipping machines locally with individual UPSs, machines essential for business and production, led to considerable fluctuation in load distribution, the Deutschlandsberg-based company wanted to return to a central UPS solution that would be presented to clients as a single system.

Challenges
Seidel Elektronik is a popular contract manufacturer, whose production lines rarely stand idle. Production continues virtually round the clock in a three-shift operation. High availability is therefore key. “We started off with a load of 14 kW and needed a backup time of at least two hours. We wanted this in the form of a comprehensive solution which would be presented to clients as a single system.

Solution
Complex requirements like these are a clear case for Eaton and partner KESS. Working together, both partners presented a comprehensive solution which, according to Andreas Oswald, is sound in every respect. The solution is based on two three-phase, 20-kVA 9355 Eaton UPSs, whose remarkable features include Hot Sync functionality, a patented technology that allows two or more UPS models to run in parallel, thereby guaranteeing high availability, redundancy and higher capacity. The Eaton UPSs newly installed at Seidel Elektronik must cover a total of around 60, predominantly virtual, servers, complete switches, firewalling and elements of building services, air conditioning and production.

Results
“We really went to town testing the new UPSs, using heat canons, among other things, to produce a considerable load in order to check whether the redundancy and bypass switch would also work under load,” said Head of IT Andreas Oswald, confessing an initial skepticism. Thanks to Schedina’s IT specialists, he now feels very confident, especially since he can monitor the entire system on one dashboard thanks to the Intelligent Power Manager software provided. He can now rely on the management capabilities of Eaton software: “One hour before the UPS batteries have completely run out, shutdown procedures are initiated automatically by the software according to our three-stage emergency plan,” says Andreas Oswald, happy to have a new partner he can always rely on.

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Customer Success Story:
Seidel Elektronik GmbH Nfg. KG
Markets Served
Machine OEM—Electronic Manufacturing Services

Powering Business Worldwide

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