



CISSOID
The Leader in High Temperature Semiconductor Solutions
The Pioneer in Silicon on Insulator (SOI)

PRESS RELEASE

CISSOID components used by APEI, Inc. in High Temperature, High Power systems for Oil & Gas, Aerospace, Renewable Energy and US Government applications

Louvain-la-Neuve, Belgium – April 2008. Cissoid, a leader of high temperature semiconductor solutions and the pioneer of Silicon-on-Insulator (SOI) products, announces that Arkansas Power Electronics International, Inc. (APEI, Inc.) has successfully used its components in High Temperature and High Power modules for demanding applications such as Oil & Gas Drilling, Aerospace and US Military applications. Emerging markets such as renewable energy as well as hybrid electric vehicles will also benefit from these developments.

Alex Lostetter, Chief Executive Officer at APEI, Inc. stated that “SOI and Silicon Carbide (SiC) technologies have often been presented as competitors for High Temperature Applications. At APEI, Inc., we have overcome many of the High Temperature Electronics challenges by demonstrating the combination of High Power SiC devices with Cissoid’s SOI control components. While SiC devices provide the power, Cissoid’s SOI control components are the brain of our systems allowing highly integrated analog & digital control functions with operation up to 300°C. This concept was successfully used for DC-DC converters for NASA, motor drivers for the US Army and the National Science Foundation (NSF), as well as renewable energy applications for the US Department of Energy (DOE).”

“The high temperature components of Cissoid have shown unprecedented performances and long-

term reliability at high temperature, said Pierre Delatte, Chief Technical Officer at Cissoid. Our Low-Dropout Voltage Regulators family has been tested continuously for more than 10,000 hours at 300°C. It is considered as the most reliable solution for Oil & Gas Well Drilling applications, probably the harsher environment in terms of temperature and vibrations. Other Cissoid components such as Bandgap Voltage Reference, 555 timer and General Purpose Operational Amplifier have been also tested at very low temperature by the NASA, demonstrating a record operating temperature range of 500°C (from -200 to 300°C).”

Tony Denayer, Chief Executive Officer at Cissoid added “We are proud to support APEI, Inc. for their demanding applications in extreme conditions. This collaboration illustrates our strategy in the High Temperature Electronics market. Cissoid is the only supplier of high voltage integrated solutions for applications above 200°C. Our proven portfolio of highly reliable products is constantly broadening. We also see that more and more customers use Cissoid’s products below 200°C for their unparalleled reliability.”

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About Cissoid - www.cissoid.com

Cissoid is a pioneer in the Silicon-on-Isolator (SOI) arena, with over 20 years of background and R&D in SOI. As a leading fabless semiconductor company, Cissoid delivers standard products and custom solutions meeting high temperature requirements, primarily to the Oil & Gas, Aerospace and Automotive markets..

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