POWERSAFE'S AMPLIFICATION TECHNOLOGIES SUBSIDIARY ANNOUNCES HIGHER PERFORMANCE THERMOELECTRICALLY COOLED SINGLE PHOTON COUNTING SOLID STATE PHOTODETECTORS

NEW YORK—Oct 27, 2009. PowerSafe Technology Corporation (PSFT.PK) subsidiary Amplification Technologies Inc. (www.amplificationtechnologies.com) (ATI), is offering higher performance thermoelectrically cooled discrete amplification single photon counting solid state photodetectors. These photodetectors are mounted on a two stage thermoelectric cooler inside a hermetically sealed TO8 package and can be operated down to a temperature of -30^{o}C.

The devices are available in both Si and InGaAs/InP technologies. As compared to TO5 devices, these TO8 packaged detectors have 10-30X lower dark current depending on operating temperature. The Si devices offer flat and wide spectral response in the visible light spectrum from 300 to 800 nm and significantly improved photon detection efficiency (PDE) of 30-40%. The InGaAs/InP devices offer spectral response in the near infrared spectrum from 1000 to 1700 nm, and modestly improved PDE in the range of 10-20%.

Jack Mayer, president of PowerSafe stated "we are very pleased with these improved parameters. Their achievement is a significant step in our goal of penetrating scientific instrumentation and range finding and tracking photodetection markets."

These devices also offer very high gain >100,000, excess noise factor <1.1, response time <500ps,and photon counting capability. Unlike conventional Geiger-mode APDs, these detectors do not need an external quenching circuit and operate in a non-gated continuous mode. The technology is expected to allow the creation of linear and 2D arrays that combine: high gain, low noise factor and high speed operation using conventional semiconductor fabrication techniques. These products are targeted at a broad range of applications including medical imaging, night vision, scientific and industrial instrumentation, flow cytometry, range finding, tracking, free space communication, spectroscopy, quantum key distribution (QKD), low light level imaging and high energy physics.

About PowerSafe Technology Corp. (PSFT.PK)

Based in New York, PowerSafe Technology, thru its wholly owned subsidiary ATI, (www.amplificationtechnologies.com) seeks to transform the field of low-level signal detection. The company's patented platform semiconductor technology has the potential to offer unparalleled and far-reaching benefits to industries such as medical diagnostics, drug development, scientific instrumentation and homeland security. The technology has been successfully used to develop extremely sensitive detectors of low levels of light and the company believes its detectors will be used in many existing applications as well as open up new markets. ATI's technology is patented to encompass detection of signals other than light, and could in principle be used to create highly sensitive biological, radiological, electrical, and chemical sensors.

Forward-Looking Statements

This release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended and Section 21E of the Securities Exchange Act of 1934, as amended. All forward-looking statements are inherently uncertain as they are based on current expectations and assumptions concerning future events or future performance of PowerSafe and Amplification. Readers are cautioned not to place undue reliance on these forward-looking statements, which are only predictions and speak only as of the date hereof. In evaluating such statements, prospective investors should review carefully various risks and uncertainties inherit herein and set forth in PowerSafe's SEC filings and such other matters as are contained therein. These risks and uncertainties could cause actual results to differ materially from those indicated in the forward-looking statements.

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