

Imprint Energy gains new investments to advance ultrathin flexible batteries

Investments reflect production scaleup, LoRa-based IoT reference design win

Alameda, Calif., Sept. 18, 2018 – [Imprint Energy](#) announced the successful completion of a \$5 million investment round. Investors included [Imprint's technology partner Semtech](#) (Nasdaq: SMTC), the u.life fund, which is managed by Global Value Investment Portfolio Management ("[GVIP](#)"), and previous investors including Phoenix Venture Partners (PVP).

Imprint has continued its progress toward commercialization. Multiple manufacturing partners have successfully printed Imprint batteries using their existing standard printing equipment, and Imprint batteries are moving into field trials of IoT products. One of Imprint's batteries has been especially designed to power IoT devices that communicate using Semtech's LoRa® devices and wireless radio frequency technology (LoRa Technology) for low-power wireless networks, and Semtech and its partners are early customers of Imprint batteries.

Imprint's batteries are well-suited to powering large numbers of IoT devices, sensors and labels now coming to market. Imprint has continued to advance both its ZincPoly™ battery chemistry and its process technology for high-volume, low-cost production. The zinc polymer-based chemistry enables environmentally-safer batteries that are rechargeable and/or disposable; offer higher energy density in thin formats; show low resistance to support the power surges needed to wirelessly communicate over long distances; and are simpler to make. Imprint's manufacturing process technology has been demonstrated on low-, medium- and high-volume printers, including common surface-mount technology (SMT) lines and, as trials have demonstrated, roll-to-roll screen printers. This allows Imprint partners, like electronic manufacturing services (EMS) firms and contract manufacturers, to make batteries via a "mass print" approach rather than assembling them one at a time, and to directly integrate Imprint batteries with sensors, chips and antennas, further reducing total device costs.



*Shown here: scores of Imprint Energy batteries,
printed by a manufacturing partner using standard commercial equipment.*



About Imprint Energy

[Imprint Energy](http://www.imprintenergy.com) is a widely-recognized leader in ultrathin, flexible, printed batteries for always-connected Internet of Things products, including smart labels, health and wellness sensors, and flexible displays. Imprint's proprietary [ZincPoly™ chemistry](#) has higher energy density, is safer, and can power communications better than thin lithium batteries. Imprint batteries are moving into field trials and multiple partners have printed batteries using their own equipment. Imprint has received extensive recognition, including the MIT Technology Review [Innovators under 35](#) and [50 Smartest Companies](#). To learn more, see www.imprintenergy.com.

For more information

For Imprint Energy: Steve Weiss, sweiss@imprintenergy.com.