



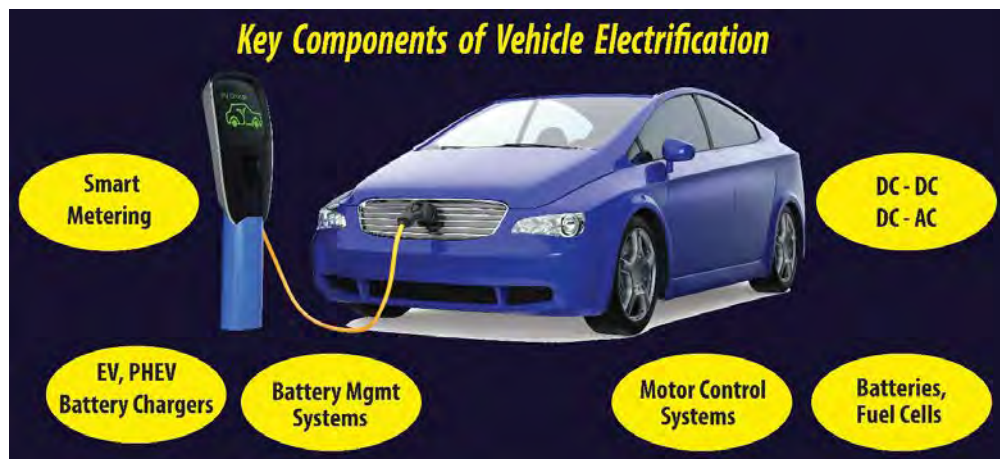
*Newsletter LTEC Corporation
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Rolling on...

Louis Burgyan, Analyst, Technical Advisor, LTEC Corporation



August 27, 2016, all maturing to the point of being introduced to the market roughly at the same time. With the advent of wide bandgap semiconductor technology, Silicon Carbide (SiC) and Gallium Nitride (GaN) power semiconductor devices are increasingly finding their ways into advanced power modules designed for HEVs, EVs, and battery chargers. Vehicle-oriented Li-ion battery technology, while not new, is still evolving; and it is now entering into a high-volume manufacturing phase. H₂ fuel cell-powered EV technology is in the early phase of deployment, promising quick refueling and superior range. Let's not underestimate the potential impact of these little known facts: Current H₂ production in the US is ten million metric tons per year; over half of that goes to transform low-quality heavy gas oils into high-quality, clean-burning jet fuel, diesel, and gasoline. In addition, we have over 1,600 miles of pipelines already in the ground. Ad. The automotive industry is the beneficiary of several simultaneously evolving technologies d to this the great potential benefit of using hydrogen for storing excess (otherwise wasted) wind or solar energy through advanced industrial-scale electrolysis process. All these technologies create great market opportunities for wide-bandgap power semiconductor devices in a fast-moving business environment, where awareness of the competitive landscape, and creation and protection of intellectual property (patents) are crucial. Borrowing Andy Grove's phrase, "Only the paranoid survive." seems appropriate.



LTEC Corporation, Japan's largest broad-range Intellectual Property IP service provider, generates a number of technical analysis reports targeted for the automotive industry. Some of our latest technical analysis reports are listed below:

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*Louis Burgyan, is an Analyst and Technical Advisor to LTEC Corporation. He is a semiconductor industry veteran, with over three decades of engagement in Silicon Valley, working on a variety of development projects from DC-DC converters to fiber-optic communication systems. He is the author or co-author of sixteen patents and published a number of papers in the field of semiconductors.

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