

David R. Crecelius

VP Powertrain Systems Engineering



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Experience Summary

David R. Crecelius – Currently Vice President of Powertrain Systems Engineering for Bright Automotive, Inc., Mr. Crecelius is responsible for the design, development and implementation of vehicle powertrains, including the integration of internal combustion engines, electric drives, battery packs, and hybrid system controls.

Previously, Mr. Crecelius held the position of Vice President of Engineering for Sun Power Technologies, LLC a premium provider of advanced electrical solutions.

Prior to joining Sun Power Technologies, LLC, Mr. Crecelius was the Director of Systems Technology at Light Engineering, Inc. (LE), a company developing and manufacturing amorphous metal permanent magnet motors and generators.

Previous to his time at LE, Mr. Crecelius was the Director of Electrical Systems at iPower Technologies, Inc., a company providing systems integration for distributed power generation equipment. While at iPower, he was responsible for the development of permanent magnet generators and was the electrical systems architect for their 85kW combined heat and power (CHP) generator system.

Mr. Crecelius has also held several positions at Delco Remy America, including staff engineer and program manager for the Automotive Electric Motor Drive (AEMD) program. The AEMD program was funded by the Department of Energy (DOE) to develop traction motors for hybrid electric vehicles.

Mr. Crecelius also served as Senior Project Engineer at General Motor's Delphi Energy & Engine Management Systems division. While at Delphi, he developed, built, and tested advance electric and hybrid propulsion system concepts for General Motors EV₁ and various hybrid programs. Mr. Crecelius also led Delphi's ignition engineering team and managed the development, product validation, and launch of advanced ignition electronic modules for GM's L850 world engine program.

Mr. Crecelius received his BSEE degree from Purdue University in 1990. He was also awarded a General Motors fellowship grant to pursue graduate studies at the University of Tennessee. In 1994 he received his MSEE degree with thesis research focused on power electronics and sensorless control methods for induction machines. Mr. Crecelius has published several technical papers and currently holds 6 US patents.