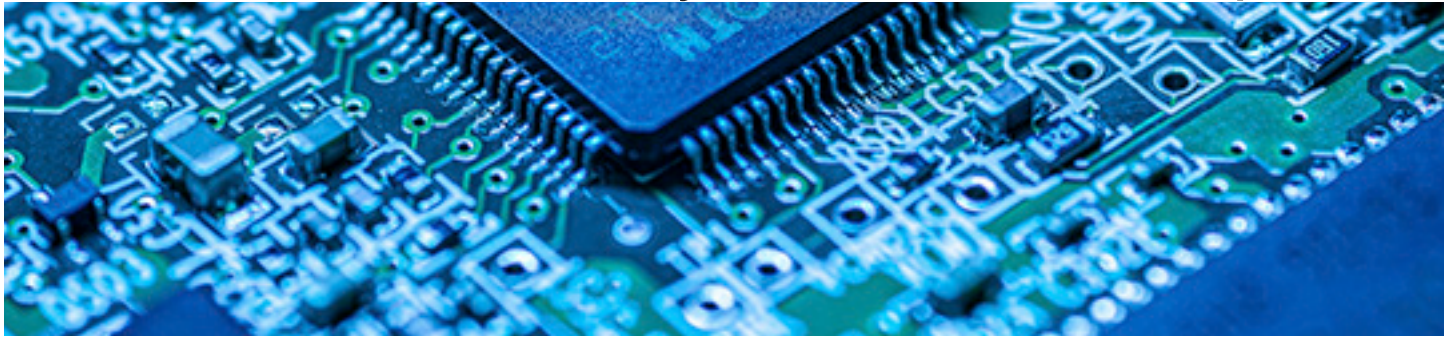




# SiliconBrite Technologies Inc Selected for World's Ten Most Revolutionary Semiconductor Companies



SiliconBrite Technologies is a global fabless Analog and Mixed-Signal semiconductor solutions provider company founded in 2018. SiliconBrite creates differentiated solutions in the Analog, Mixed-Signal, Power, and Sensor Electronics Domains. Its innovative IC solutions address selected markets, creating value-added advantages for the customers. SiliconBrite uses a focused, innovative solution approach using its expertise in semiconductor product development and definition, semiconductor, design, marketing, applications, and sales.

The company's mission is to drive innovation through developing intelligent analog-mixed signal, power, and sensor-related semiconductor solutions to solve the most difficult client problems that have not otherwise been solved. Its Vision is to bring value to the customers and stakeholders by providing quality, high value, and problem-focused solutions.

Since the founding of SiliconBrite in April 2018, the company has answered the call to create differentiated, customer-driven, value-added products. SiliconBrite was self-funded by its Co-Founders and has come a long way in becoming a company with a strong, dedicated, and tenacious team. During its journey, the company pivoted from initial technology to other markets.



*Barr Karagozlu is the CEO and Co-Founder of SiliconBrite Technologies. Barr's 20+ years of experience in engineering, marketing, sales, and business development has led him to "Rock the Boat", creating a valuable, innovative semiconductor company that could quickly execute on valuable product creation and form a highly motivated team. As the original idea-man of SiliconBrite, he has worked at top-tier semiconductor companies with deep business and technology associations in Silicon Valley and Asia.*

## Unleashing World's First Autonomous Protection IC

SiliconBrite is a global company providing best-in-class reliable voltage protection. SiliconBrite's CEO Barr Karagozlu says that unstable power is an issue that affects billions of people throughout the world. SiliconBrite has created the World's First Smart Autonomous Protection IC to help countries with low power line quality. The robust solid-state solution features a unique architecture that automatically detects AC line over and under-voltage conditions and safely isolates the power line from the load until the AC input voltage is within its normal range.

He adds that varistors are often used to protect electronic circuits against a limited number of short-duration line voltage surges but cannot protect against long-term overvoltage swells. The SBT3000, however, has solid-state reliability and provides an efficient and effective method of protection from power line swells. Power protection will help to ensure increased reliability of end-products that would otherwise be damaged and thus further reduce E-Waste that would end up in landfills.

SiliconBrite is contributing to Artificial Intelligence and Industrial IoT by using sensors that are more accurate in some areas, says Barr. For Robotics/Cobotics, the company is working to make motor drivers and control faster with efficiency improvement.

## A Highly Talented Team at the Helm of Innovation

SiliconBrite has a highly talented, expanding team globally, with significant experience in solving complex design and system application challenges, claims Barr. He highlights that they are creating innovative products with value-add derived from precise product definition, design, applications, in cooperation with the company's key partners.

SiliconBrite has demonstrated an ability to recruit creative problem solvers who appreciate that every day is a new challenge and want to work with a company that they believe in. Engineers come to work at SiliconBrite to innovate and solve challenging problems for customers rather than making another 'off the shelf' product.

## Supplying Futuristic Solutions through the Pandemic

According to Barr, travel restrictions due to COVID make it challenging to engage with customers globally. Supply Chain has been a challenge as well, however, SiliconBrite has taken a proactive approach to creating relationship-based partnerships with its manufacturing operations partners to minimize the effects of supply chain headaches through agile management.

## Towards New Horizons

SiliconBrite aims to be an innovative supplier of solutions-based Analog and Mixed Signal Semiconductor products and possess the expertise to identify vertical market needs to translate customer problems and pain points to value-added semiconductor solutions, claims Barr. He adds that the company quickly executes to bring valuable, significant solutions to customers.

## At Core: Converting Customer Problems into Silicon Products

SiliconBrite is a customer-focused engineering and technology company. Moreover, it has a disciplined culture of eliminating inefficiencies that are commonly found in other companies through rapid implementation of business plans, product development, and a focus on ways to shorten the time-to-market. SiliconBrite was able to form a Core Team to execute early, efficiently with a limited budget, and create a business strategy with a customer confirmed proof-of-concept to turn a customer problem into a silicon product (SBT3000).

This effort gained an important design win at a major global electronics OEM strategic partner with profitable revenue and mass production within 18 months of founding. This unique, differentiated product was developed in 6 months with first silicon success.



**“Our Philosophy at SiliconBrite is that we don't do ordinary things, we do extraordinary things! Our commitment to innovate started with 'Disruption in Protection', which is fueled by our engineering Ambition, Drive, and Expertise.**

**We have a never give up attitude on both engineering and business challenges and this has allowed us to embrace efficiencies in our operations while eliminating inefficiencies that we observed at other companies.**

**-Barr Karagozlu, CEO and Co-Founder of SiliconBrite Technologies.**

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