

Bio - Richard A. Riggio

Rich has extensive experience in product development from detailed design to project management. He has spent his entire 18 year career pursuing this endeavor in industries that include defense, transportation, medical and industrial. This experience culminated in the creation of SiGenix, Inc. (formerly R&R Electronic Products, Inc.).

After graduating with honors from Rensselaer Polytechnic Institute with a Masters Degree in Electrical Engineering, Rich went to work at General Dynamics as a project engineer. Within his first year, his skills were rewarded with an appointment to the seven-person superconducting propulsion team. Only individuals with the highest rating in their respective disciplines were chosen for the project. The team succeeded in securing a ten million dollar contract from the government to oversee the development of technologies that could realize superconducting propulsion. During his two-year tenure in this position, Rich was presented the Extraordinary Engineering Achievement Award for outstanding service.

From the defense industry, Rich moved to transportation. Working for ADtranz, Rich became the lead electronics design engineer. In this role, he developed over twenty printed circuit boards that are used in transit systems worldwide. Rich also spent over one year in the field gaining experience with equipment installation and verification, as well as customer witness testing. This field position gave him an important perspective on customer satisfaction and quality. His final assignment at ADtranz was to take the lead role in the development of the Bay Area Rapid Transit (BART) Auxiliary Power System (APS). As the project lead, Rich participated in all facets of the development effort including electrical and mechanical design, test, product certification, field testing and customer acceptance. The project was completed within two years and under budget. There are currently over four hundred APS units in service at BART. For his accomplishments, Rich was awarded the ADtranz Silver Quality Award.

After working in transportation for six years, Rich moved to the medical industry and Respirionics. He was specifically hired to develop lower-cost, smaller size, and lighter weight respiratory units. Rich pioneered the advance from linear to switching power supplies, which accomplished the required size and weight reduction of the units. He was also instrumental in the development of microprocessor-based motor and valve circuits for more efficient and lower cost controllers. As part of the Patient Compliance Initiative, he aided the development and incorporation of Smart Card technology into Respirionics devices. During this tenure, Rich became an expert in medical safety, EMI and certification to the IEC-601 standard.

Armed with a variety of experience and the network of suppliers that came with that experience, Rich founded SiGenix, Inc. in 1997. SiGenix focuses on engineering services for all of the aforementioned industries. Rich has created partnerships that will help insure the long term success of the company. Currently, SiGenix has become the preferred third party developer for Microchip, Freescale, Atmel and Fairchild Semiconductor and is the Arrow Electronics ACES (Advanced Consulting Engineering Services) partner for the Northeast area. SiGenix has steadily grown annual revenues and their client base every year. With the addition of Catalyst Sales as a full-time representative and a partnership with Rail Transit Consulting to redesign obsolete transit system components, SiGenix is positioned to flourish.