

**GEORGE A. BARR**  
**INTERIM CHIEF EXECUTIVE OFFICER**



George Barr is a founder and president of Anatech Ltd., which specializes in commercial applications for deposition of nano-crystalline hard carbon thin films. Anatech traditionally focused on the motorsports' market, but the company has been introducing its technology to other industrial markets, such as oil and gas drilling and transmission, printing, non-woven textiles, cutting, punching and machining.

Technical breakthroughs by Anatech include the development of the first flexural hard carbon thin film, and the first 12 micron thick film that does not spall. These technical advantages have many relevant applications in the medical industry, a market that Anatech began focusing on nearly eight years ago.

Mr. Barr is a founding Member and Manager of BioMedFlex, LLC (BMF) that uses Anatech's technologies to enable technical breakthroughs in several medical applications such as cardiovascular devices, hip resurfacing, spinal implants, orthopedic implants, plus intravascular and trauma devices. BMF is a critical enabling technology for one of its early adopters in cardiovascular devices. Mr. Barr is founding Member and Manager of two startups spinning off from BMF to specialize in hip resurfacing and spinal implants.

Mr. Barr is a founding Member and Manager of BioMedInnovations, LLC (BMI), which acquires, develops and licenses intellectual property in the medical industry. BMI and its subsidiaries are actively developing technologies in the areas of organ transplantation, dialysis assist, sleep apnea, and Extra Corporeal Membrane Oxygenation (ECMO) for Cardio Pulmonary Bypass (CPB), and tissue generation/regeneration. The core of its technology is a highly responsive pulse generator, and BMI develops additional technologies around market demand that it identifies for various specific applications. Mr. Barr is founding Member and Manager of two startups spinning off from BMI, one in

arterial - venous graft product development, and one in organ transport for transplant.

BMF and BMI have business models that:

- Listen to pull from medical professionals. What problems do they want solved?
- Look at the toolbox. Do we have the tools?
- Does the solution make a difference to people, and by extension, to their families?
- Does the solution make a difference to the medical community, better, faster, easier?
- Does the solution make a difference to the people who will pay for it, making it valuable?
- Does the solution has prospects for extraordinary returns?

Mr. Barr is committed to working on projects that make a difference to people.

He became personally interested in addressing challenges in the organ transplant industry based on a family experience. One of his brothers received a kidney from his son in law. His brother had been in dialysis four hours a day, three days a week for almost six years, beating the odds by staying alive while on dialysis for so long. He couldn't hold a job, he deferred getting married, and he was dependent upon others for nearly every aspect of his life. Now, he is an airplane mechanic, a productive member of American society, and is married with two beautiful children. His brother has his life back because of the transplant. If he had remained on the kidney wait list in order to receive an organ from someone other than family, he'd likely be dead.

Mr. Barr previously worked with Semix/Solarex Corp, a photovoltaic manufacturer, in materials management; TransCircuits, Inc., a printed circuit board manufacturer, in production management; and Technics, Inc, an ion source equipment manufacturer, in purchasing management; in Barrco, as owner, moving factories and libraries; and at an Allied Van Lines agent as operations manager.

His education includes an M.B.A. in Marketing from Virginia Tech, Blacksburg, VA and a BA from Washington and Lee University, Lexington, VA.

### **PROFESSIONAL ORGANIZATIONS**

- American Society for Materials
- Society of Automotive Engineers
- Industrial Managers Association - Chairman, Education Committee.

Mr. Barr sees a 25 year long waning of technical and manufacturing experience and expertise in the U.S. He believes that regaining this expertise, especially when combined with an entrepreneurial spirit, will move young people toward combinations of skill sets that will forward them, and the U.S., in regaining ground in the global economy. keystones in the effort are the STEM education initiative and the Midas Nation initiative. Mr. Barr is committed to fostering both initiatives in Lincoln County.

### **VOLUNTEER WORK**

- Team Captain, Leukemia and Lymphoma Society  
A friend of mine is alive for seven years because the Leukemia and Lymphoma Society supported the drug Gleevic's development and distribution. Had my wife's father had Gleevic available three years earlier, he might have lived out his days. I'm committed to raising money to fund additional successes.
- East Lincoln Political Action Committee  
Mr. Barr is co-chairman of the Membership and of the Finance Committees, enrolling new members, and raising funds to support East Lincoln PAC causes.
- Legacy Center, Team Building and Coaching  
Mr. Barr has staffed multiple personal development workshops and has coached two teams of people over four month periods each.