

# AmpliTech Inc.

## INTRODUCTION

It is a pleasure to introduce AmpliTech, Inc., stock symbol AMPG, to potential consumers and investors as an electronics design and manufacturing leader that represents a source of innovation in high-technology products, one of the few commodities that the U.S. possesses that cannot be replaced by labor forces in other countries. Our major growth has come about because we can provide complex, custom solutions that competitors in the industry won't even approach in the way of Low Noise Amplifiers.

Low Noise Amplifiers, or LNAs as they are called, are basically devices that boost the amplitude of wireless signals *without* amplifying the inherent noise, thus allowing for better signal integrity and extending the distances signals can travel. As can be imagined, the improvement of signal integrity allows for better signal clarity, higher bandwidth and much higher reliability, all of which are critical in ANY type of wireless communication from cellular networks, radar, satellite communications in many different sectors including commercial, military and space exploration. Our ultimate goal is to minimize costs so that AmpliTech's revolutionary technology can be introduced to retail and individual consumer markets as well.

## BACKGROUND and LEADERSHIP

AmpliTech was founded by Fawad Maqbool to fill the need for high quality, reliable, state-of-the-art, RF components at an affordable cost, with quick deliveries, hassle-free customer service and a passion for taking on complex customer requirements that competitors would not touch.

Mr. Maqbool has over 30 years of experience in the design of microwave amplifiers and components. He has developed a wide variety of amplifier product lines, from LNA's (Low Noise Amplifiers) and MPA's (Medium Power Amplifiers), to broadband telecom amplifiers for the microwave and fiber optic communications firms. Fawad Maqbool has developed amplifiers for leading companies such as MITEQ, Motorola, ITT, Harris, Northrop Grumman, Raytheon, L3 Communications, Aeroflex, and TRW. For the past 15 years, he has been at the fore-front

of developing, and managing the development of high performance, low noise amplifier products, as well as other amplifier products. He has received a Best Technology Award from one of the industry's leading trade magazine and various Supplier Quality Awards.

## MARKET STRATEGY

AmpliTech has sought out public funding for several important reasons:

-As a provider of "high-tech," AmpliTech wants to join the fight for keeping intellectual property from leaving the country in the quest to save American jobs. Our new business model of employing an American contract manufacturer for high-volume production also falls in step with keeping all labor-related concerns within the U.S. as well along with the advanced technology involved, unlike many competitors.

-AmpliTech founder and CEO Fawad Maqbool has long dreamt of making our advanced technology, previously available only to government divisions and telecommunications giants in the commercial sector, affordable enough so it can be on available to individual consumers via retailers. The chief method of accomplishing this goal is to reinvent our current discrete designs in the form of low-cost specialized custom ICs, or Integrated Circuits). Although the designs have been drawn up already, the process of designing and manufacturing these ICs requires a significant initial investment. Once this capital has been raised, AmpliTech can roll out innovative new components and systems that will enable blinding Wi-Fi speeds with significantly higher bandwidths than possible today. The same type of technology that enables government surveillance drones and fighter planes to operate effectively can now be used to ensure better cellular coverage than ever before. With the higher bandwidths and data rates available and different cellular companies competing for this technology, a premium on data usage will no longer exist and prices for cellular and data plans will drop significantly. Wireless networks can also be implemented with fewer components and less cost because one wireless router or access point will be able to provide coverage for many times the area that current technology

allows, thus eliminating the need for Wi-Fi range extenders and other types of repeaters.

-AmpliTech, having garnered a sterling reputation in the LNA market, is also seeking to diversify by providing different types of amplifiers. Of particular note are current offerings of low-frequency Power Amplifiers (PAs) and scheduled introduction of several wideband High Power Amplifiers (HPAs). AmpliTech's HPA technology will open up a new host of applications from Electronic Warfare (high power transmitters and signal jammers) to medical diagnostics (imaging) and treatment. Being a Biomedical Engineer as well as an Electrical Engineer, the latter is of particular importance to Mr. Maqbool as he has always been cognizant of how focused high power microwaves could help in destroying tumors and lesions that would otherwise be inoperable or require invasive surgery. Public funding would make these projects a reality for the benefit of all.

## VISION

Unlike other technology-based business owners, Mr. Maqbool strongly believes it's time for revolutionary technology to be freely available to the public at the same time it is made available to government entities so the years of waiting will no longer exist before the average consumer can reap the benefits of "hand-me-down" government technologies like cellular phones and the Internet itself. He is also strong in his belief that while such potent technology is rightly available to government institutions and commercial giants for the purpose of augmenting systems for world security and communications, it should also be available for other pursuits such as medical diagnostics and for new ways to treat certain illnesses without some of the limitations we face today.

In short, investing in AmpliTech means supporting the prevention of losing jobs and intellectual property to other nations as well as the release of revolutionary technology to *all* markets for the benefit of *everyone*.