

Firm Offers Design And Management Aid

[Microwaves and RF](#)

[Jack Browne](#)

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Whether it is project management to ease deadline pressures or assistance with a system design, this company can help finish the job.

Engineering talent must be properly managed to achieve positive results. Often, no matter the size of a company, a situation arises where the firm falls behind on a project or contract. Another common problem is when a company has entered a new market or product area and is struggling to harness its own resources to properly compete. [Asvan Technology, LLC](#) can help. Its team of seasoned professionals can assist at almost any level of engineering or engineering management needed to help complete a project successfully and cost-effectively. The firm's design team brings expertise in broadband and multioctivave microwave components, as well as RF/microwave subsystem integration. They can also aid with control system design and development, including the creation of high-speed microprocessor interfaces.

Asvan can lend guidance on projects that must meet demanding "green" design requirements, on system modifications that depend on replacing obsolete parts, and even on developing firmware and software for embedded systems.

The firm employs the latest project management tools, such as Microsoft Project 2010 open-source software. The company enlists state-of-the-art computer simulation tools, including access to the Advanced Design System (ADS) suite of simulation tools from [Agilent Technologies](#) and the Ansoft Designer suite of software modeling tools from [Ansoft](#). It also utilizes a host of high-level system simulators and SPICE open-source software for linear and nonlinear circuit analysis and SolidWorks for packaging design. By combining expertise in different areas, Asvan can assist in developing custom microprocessor-controlled multifunction modules for a wide range of applications. Asvan can also help streamline software code to meet specific system integration requirements.

Asvan Technologies combines engineering management skills, in the person of Ganesh Basawapatna (above left), and business management expertise, in the person of his son Anand Basawapatna (above right). Asvan's principals previously founded Microsource (acquired by Giga-tronics), as well as Encore International (acquired by Liberty Media Co.). Those achievements followed R&D project/engineering

Left: Ganesh Basawapatna, who serves as President of Asvan Technologies, holds more than 15 US patents in high-frequency electronic design.



Right: Anand Basawapatna is Business Development Manager of Asvan Technologies with extensive experience in project management and cost control.

management positions at Hewlett-Packard Co., Raytheon's M&PT Division, and Vari-L/Sirenza.

More specifically, Ganesh Basawapatna served as a Section Manager at [Raytheon Co.](#) where he designed fast-tuning voltage-controlled oscillators (VCOs) and power amplifiers through 20 GHz for electronic-warfare (EW), electronic-countermeasures (ECM), missile, and telecommunications applications. He was also R&D Project Manager at Hewlett-Packard Co., which became [Agilent Technologies](#), and helped create many of the company's best-known microwave test instruments. Basawapatna founded Microsource in 1980, serving as that company's President and Chairman. Ganesh is the author of more than 15 United States and international patents and has been Secretary of the Microwave Theory & Techniques group of the [Institute of Electrical and Electronics Engineers](#).

Anand Basawapatna, Asvan's Business Development Manager, earned a Master of Business Administration (MBA) degree from the Krannert School of Business Administration at [Purdue University](#) and the Project Management Professional (PMP) certification. Previously, as Project Manager at Symphony Media Systems (Denver, CO), he led numerous hardware, software, and systems-level development projects.
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