

Curriculum Vitae - David R. Ahlgren, Technology and Business Development

David R. Ahlgren has more than 20 years of entrepreneurial business experience and an extensive technical background. He is the founder of a well known engineering consulting firm and three high-tech product companies with in-depth experience in commercial markets as well as with the department of homeland defense, military and various government agencies. His current focus is technology development and management consulting and is an expert at repurposing COTS equipment and technology for advanced applications.

His management services include the development of organizational and business strategies, competitive analysis, strategic market planning, product and technology analysis, and fund raising from Angel and Venture Capital providers.

His technical experience includes both hardware and software development for products ranging from software defined radios, to networking to business applications. He has worked on digital video, wired and wireless networking, telecommunications, sensors, instrumentation and process monitoring/control products and systems.

Recent projects include a SBIR for the design of a broadband mesh network for small Unmanned Aerial Vehicles (UAV), strategic planning for a high speed software defined radio and directional MANET technology, program management and ConOps for the Homeland Defense BioNet program, the analysis of opportunities in transformational Net-Centric military programs such as FORCEnet, ConstellationNet and LandWarNet and recent FEMA certification on the IS-100 Incident Command System (ICS) and IS-700 National Incident Management System (NIMS). He also developed mobile/portable video security and 3G/Wi-Fi/WiMax wireless technology for Entrée Wireless.

He is founder and principle architect of 4th Utility Systems a consulting service that developed 'Smart Next Gen Buildings' built on a standardized broadband infrastructure. The 4th Utility platform

aggregates bandwidth, enables integrated building automation and brings a significant value proposition to the owner/developer.

David is the founder of ASTAR, a pioneer in the development of digital video technology. He invented and brought to market the worlds' first interactive, automated, self-serve, digital video based Golf Teaching System. His technology innovations have been copied by virtually all the competitors.

He was also the founder and president of Telephoto Communications, which pioneered the development of digital video compression technology. He invented and brought to market the worlds' first JPEG based compression system for teleconferencing, finger printing, badging, identification and remote medical-imaging applications. The products were used by the military, federal, state and local agencies and more than 30 state drivers licensing programs.

David is well known in the San Diego community through his active support of San Diego's leading high tech associations: NDIA, AFCEA, CONNECT, von Liebig Center, CommNexus (San Diego Telecom Council), San Diego Software Industry Council, AeA, TiE, San Diego Venture Group and the MIT Enterprise Forum.

As a former Management Fellow and evangelist for the UCSD CONNECT Technical Financial Forum and the Springboard Program, David spoke on the benefits of entrepreneurial accelerator programs and offered advice on leveraging the resources of San Diego organizations such as CONNECT, CommNexus (the SD Telecom Council), and the Software Industry Council.

His education includes a BS Electrical Engineering, Northeastern University with additional course work: CDMA Internetworking, CDMA 2000 Americas Congress, Embedded Internet Technology, BIOTECH 101, BioCom, Bio Lab Automation.

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