

KINETX-ACADZ

Manufacturing and Supply Chain - Enterprise Transformation

Semiconductor
Aerospace
Electronics

*"Our people have the experience and knowledge
that produce results"*

Andrew Feller, Director of Supply Chain Services, KinetX

Andrew leads the supply chain re-engineering consulting practice at Tempe, Arizona based KinetX, Inc. that focuses on improving operational efficiency and financial performance for companies throughout the product development and delivery lifecycle - from engineering to manufacturing and through the supply chain. He is an Industrial and Management Systems engineer with over 15 years of experience developing and implementing systems supporting all areas of business and product development for companies such as Boeing, Motorola, Honeywell, and MD Helicopters.

Andrew has developed and managed a consulting practice for the past several years, managing high-ROI supply chain improvement and systems integration projects with manufacturing clients including Honeywell, MD Helicopters, Intel, On-Semiconductors, Applied Materials, and Goodman Manufacturing.

Andrew led the manufacturing and supply-chain systems integration team for the Iridium satellite manufacturing program that achieved a one-per-week satellite production pulse rate. In this role he was responsible for integrating the engineering, manufacturing, supply chain, and launch site information and communications systems that enabled the rapid production and successful launch of 73 low earth orbiting satellites in just over twelve months. Prior to his work on Iridium, Andrew developed the financial estimating systems used to price the Japanese work statement for the Boeing 777 airframe, and planned the integration and test of Boeing's \$850M sheet metal center.

Andrew completed ASU's Industrial and Management Systems Engineering program graduating Summa Cum Laude and was later awarded an ASU/Motorola Corporate Leader's Program fellowship under which he completed his MS in Computer

Aided Processes. His published research and interests lie in the areas of artificial intelligence and advanced systems implementation in the manufacturing and large, high-tech program engineering domains.

Michael Fisher, Chief Technical Officer, KinetX

At KinetX Michael leads the development of Technology Readiness/Effectiveness for this Satellite Systems Engineering, Consulting, Design, and Development Company.

Prior to working at KinetX Michael worked for several aerospace-based technology companies. He was the lead analyst for a new Supply Chain Management system for United Airlines, which manages \$1.7 billion in spare parts. He also designed for United Airlines a maintenance web portal that monitors engine health in real time. At Iridium, Michael was the Systems Engineering Lead for a \$300 Million software system (System Control Segment) that continues to operate a network of 66 low-earth orbit satellites from locations around the world. At GTE Laboratories he was instrumental in the modeling and development of a network-planning tool for GTE that is now used by GTE Telephone Operations, saving \$50 million annually. At Federal Express he maintained, modified, and redeveloped an aircraft selection and routing model that incorporated costs of ownership and operation, including purchase price, fuel, and crews. The model influences billion dollar decisions at Federal Express.

Michael attended MIT, where he received his Interdisciplinary doctorate in System Design for Express Airlines, Flight Transportation Laboratory, Department of Aeronautics and Astronautics. In addition to his PhD from MIT he holds an M.S. in Mathematics from the University of Memphis and a B.S. in Mathematics from Christian Brothers College, Memphis, TN. He has been an adjunct professor at the University of Memphis and Arizona State University teaching Mathematical Sciences and Computer Science and Engineering Classes, respectively.



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Efficiency Solutions
for Semiconductor &
Electronic Manufacturers

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Luc D'Arcy Collins, President, ACADZ, Inc.

Luc D'Arcy Collins is the president of ACADZ, Inc. As president, Luc has established three patented products to augment the company's manufacturing efficiency consulting practice: an icon-based simulator, an inventory tracking hardware/software solution, and a medical product for cancer treatment. Prior to working with ACADZ, Luc was the director of operations management for a technology park developer and wrote the business plan used to successfully raise over 3 million dollars in capital funding. Prior to this he worked with Motorola budgeting their research and development; with the Overseas Private Investment Corporation, in Washington D. C. supporting international loan restructuring; and for a manufacturing company of specialized products for cancer treatment.

His interests include financial analysis and cost reduction for multiple product manufacturing in the semiconductor, electronics, and medical manufacturing industries. He has written several papers on semiconductor factory production capacity measurement and planning using static capacity models verses dynamic simulation models. After completing a Bachelor of Science Degree in Finance from Arizona State University, Collins received his Master of International Management MBA from the American Graduate School of International Management -Thunderbird. He is also chairman of the executive committee of the American Electronics Association for Arizona and New Mexico.

Donald W. Collins, CEO and Director of R & D, ACADZ, Inc.

Donald W. Collins is the CEO, Director of R&D, and founder of ACADZ, Inc. and the inventor of Minimum Inventory Variability Scheduling and Release Policy® (MIVP®). Don has shown many complex discrete manufacturing firms how to use MIVP® and simulation to reduce production costs by up to 33% while increasing efficiency and yield. At ACADZ he also has developed hardware for inventory tracking and a library of icon based simulation software for modeling complex manufacturing systems such as electronics and semiconductor multiple-product factories. During his career in manufacturing and simulation he has worked with and/or consulted to NASA, SEMATECH, Advanced Micro Devices, Motorola, Intel, Seiko Epson, Infineon, Primarion Semiconductor, Inc., Lansdale Semiconductor, White Electronics, Intrabay Automation, Hitachi Semiconductor, Kyocera Semiconductor, Sanyo Semiconductor, Canon, Fuji Film, NPC Electronics, Sanyo Semiconductor, C. I. Kasei, Lucent Technologies, MarkHot, and Canadian Pacific Consulting Services.

Donald is also a Professor of Engineering Technology in the Department of Manufacturing and Aeronautical Engineering Technology at Arizona State University. His research interests are in manufacturing simulation, scheduling, modeling, and computer graphics. To date he has published over 40 papers on the subject of manufacturing simulation. Professor Collins received his Ph.D. and MS degrees from the Electrical Engineering and Computer Science Department at the University of Illinois at Chicago Circle in 1980 and 1975 respectively. He began his real world simulation experience with NASA, simulating the deployment of satellites from the Space Shuttle. He also has a B. Arch. Degree from Virginia Polytechnic and State University, Blacksburg, VA, 1966. He is a member of AeA, ACM, ASEE, IEEE, Pi Epsilon Tau, SIGGRAPH, and SME.



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