

John M. Collins, Ph.D.

Summary

A tested leader in technology-driven businesses with more than 30 years of international experience focused on the accelerated design, development and commercialization of innovative technologies, products and services. Experiences integrate a broad geographic and technology base across industries from clean energy/tech to consumer durables, with a career long focus on medical devices. A proven ability to form and lead high performance project and operational teams, create and manage strong intellectual property portfolios, as well as develop, structure, and drive collaborative business relationships with companies ranging from start-ups to premier multi-national organizations. Maintains a hands-on approach and an intimate working knowledge of technologies, operations, and user needs.

Experience

2008 to Present	CIMIT: Consortia for Improving Medicine with Innovation and Technology	Boston, MA
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Chief Operating Officer

CIMIT is a consortium of the greater Boston area's premier clinical, research and academic institutions, based at the Mass General Hospital (www.CIMIT.org). Its mission is to improve patient care by facilitating collaboration among clinicians, engineers and entrepreneurs to catalyze the discovery, development and implementation of innovative technologies and procedures/systems that improve patient care. As COO, responsible for ensuring CIMIT's Finding, Funding and Facilitation functions are effective. A particular focus is to assist investigators move technologies from the lab into commercialization and scale the CIMIT Network through the web-based CIMIT CoLab[®] platform.

2008 to Present	Reed Collins LLC	Lexington, MA
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Chief Technology & Innovation Officer

Technology, intellectual property, commercialization and business development consulting services for research teams, start-ups, venture capital and private equity firms. In addition, strategic consulting to non-profits with a focus on innovation and healthcare.

2002 to 2008	TIAX LLC	Cambridge, MA
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President

In close collaboration with CEO and owner, Dr. Kenan Sahin, formed TIAX from the Arthur D. Little T&I group. Established TIAX as a 150-person strong, privately held technology development and commercialization business, successfully blending services work for government and commercial clients with technology development and licensing. TIAX (www.TIAXLLC.com) is a unique technology "transformation" organization focused in several core technology areas, including clean energy and materials, health and wellness, appliances and HVAC systems, and enhanced security. TIAX has one of the most successful records in SBIR wins, with more than 40 Phase I grants, most of which proceed to subsequent phases and collaborative commercial relationships. The World Economic Forum recognized TIAX as a Technology Pioneer in 2002 and as a New Champion in 2007.

Promoted to President in 2005 after having served as Executive Vice President since the company founding in 2002. In addition to an integral role in managing the transition and building a new business infrastructure, key accomplishments include attracting and hiring over 60 exceptionally qualified staff members, developing key technology platforms and intellectual property portfolios, and establishing several significant collaborative business

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1999 to 2002

Arthur D Little, Inc

Cambridge, MA

Senior Vice President, Technology & Innovation (T&I) Directorate

Reporting to the President and serving on the company's Executive Leadership Team, reestablished Arthur D. Little, Inc. (ADL) as a leader in technology consulting, linking strategy, innovation, and technology development. Architected and drove the turnaround of the technology business, reversing a declining revenue trend that persisted over several years to generate an average of ~20% annual growth. Successfully built a strong leadership team and focused the business on the integrated services of technology-based consulting, technology and product development, and intellectual property management. Grew the business to about 300 staff members and operated above target profitability levels (20% contribution margin). Drove a number of large commercial relationships that created significant success for clients. Board member of Cambridge Consultants Ltd. (a wholly owned subsidiary based in Cambridge U.K.), Nuvera Fuel Cells (an ADL spin-out with interests held by Gruppo De Nora and Amerada Hess, based in Cambridge, MA) and Strategic Food Solutions (a joint venture between ADL and TNO, the Netherlands research organization).

1996 to 1999

Arthur D Little, Inc

Sydney, Australia

Managing Director, Asia Pacific Management Consulting Directorate

Reporting to the President and serving on the company's Executive Leadership Team, restructured Arthur D. Little's Management Consulting business in Asia during the currency crisis of the late 90's. Aligned the offices in Sydney, Melbourne, Singapore, Tokyo, Seoul, Kuala Lumpur and Hong Kong to achieve services revenues of about \$30mm. Enabled the growth of ADL's three lines of business (Technology, Environment and Management Consulting) by expanding/extending relationships with multi-national corporations based in the US and Europe.

Initially, served as the Managing Director of the Sydney office and a member of the Asia Pacific Leadership team for two years before being promoted. In that time, opened an office in Melbourne and doubled the in-country revenues, returning the Australian operation to profitability, while also leading the expansion of the Technology & Innovation Management and the Organizational Learning practice across Asia Pacific.

1988 to 1996

Arthur D Little, Inc

Cambridge, MA

Vice President, Technology and Product Development

Joined Arthur D. Little, Inc. after completing Ph.D. to help establish the medical products group. Held a variety of positions of increasing responsibility while also maintaining an active hand in creating and managing engagements with clients. Created and implemented ADL's Product Development Process.

1982 to 1986

Booz, Allen & Hamilton

Cleveland, Ohio

Senior Consultant

Held a variety of positions of increasing responsibility, transitioning from being a contributor in technology and strategy assignments to being a project leader.

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Education

Ph.D. – MIT 1987 to 1988	Doctorate in Mechanical Engineering from Massachusetts Institute of Technology, with a concentration in fluid mechanics and heat/mass transfer. Minor concentration in Technology & Innovation Management.
M.S. – MIT 1980 to 1982	Masters in Mechanical Engineering from Massachusetts Institute of Technology, with a concentration in fluids mechanics and heat/mass transfer. Minor concentration in Technology & Innovation Management.
B.S. – RPI 1976 to 1980	Bachelors in Mechanical Engineering from Rensselaer Polytechnic Institute, with a minor in Economics. General Motors Scholar/Intern.

Other

Patents	Over 20 US patents, with numerous corresponding international patents (attached below)
Security Clearance	DoD Top Secret (no longer active)

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Issued US Patents

Patent Number	Date Issued	Title
Trocars		
US05350364	09/27/1994	Universal seal for trocar assembly
US05342315	08/30/1994	Trocar seal/protector assemblies
US05314417	05/24/1994	Safety trocar
US05209736	05/11/1993	Trocar method and apparatus
US05197955	03/30/1993	Universal seal for trocar assembly
Automated Fryer		
US05319939	06/14/1994	Frozen food storage and dispensing system
US05230279	07/27/1993	Frying apparatus
US05224415	07/06/1993	Frozen food storage and dispensing system
US05305615	04/26/1994	Frozen food storage & dispensing system
US05142968	09/01/1992	Automated deep fat fryer
Blood/Fluid Warmer		
US06047108	04/04/2000	Blood warming apparatus
US05846224	12/08/1998	Container for use with blood warming apparatus
Rug Cleaner		
US04712740	12/15/1987	Venturi spray nozzle for a cleaning device
US04570856	02/18/1986	Liquid and detergent mixing chamber and valves
Catalytic Coating Process		
US04550034	10/29/1985	Method of impregnating ceramic monolithic structures with predetermined amounts of catalyst
US04609563	09/02/1986	Metered charge system for catalytic coating of a substrate
Ergonomic Table		
US04637322	01/20/1987	Adjustable computer work table
US04890561	01/02/1990	Extendable keyboard support assembly
Tendon/Ligament Repair		
US06106556	08/22/2000	Tendon and ligament repair system
US06080192	06/27/2000	Tendon and ligament repair system
US05800544	09/01/1998	Tendon and ligament repair system