



Company Profile

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ABICS provides global consulting and training to help organizations and professionals achieve growth and excellence.

Our Mission

To deliver world-class consulting and training solutions that integrate theory with practice, empowering individuals and organizations to achieve sustainable growth, innovation, and global competitiveness.

Our Vision

To become the world's foremost partner in building capable workforces and smarter systems, turning complex challenges into lasting success stories for organizations and nations alike.

Our Services

What We Do



Corporate & Technical Training



Consulting & Advisory



Workforce Capacity Building



Project Management Services



Research & Knowledge Development



STEM & Education Support



Industry-Specific Solutions



Community & Social Impact Programs

Company History



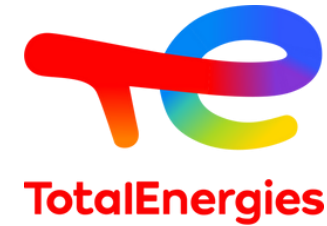
ABICS (AB International Consulting Services) was established in 1998 in Norman, Oklahoma, by Professor Adedeji Bodunde Badiru and his wife, Mrs. Iswat Badiru. Founded on the vision of bridging academic theory with practical solutions, ABICS has grown into a global consulting and training organization with operations in Tennessee, Ohio, and worldwide.

Over the years, ABICS has partnered with leading corporations and institutions such as ExxonMobil, Chevron, Total, NNPC, Sony, AT&T, Seagate Technology, the U.S. Air Force, and international organizations in Africa, Europe, Asia, and the Americas.

Guided by the proprietary DEJI Systems Model (Design, Evaluation, Justification, and Integration) ABICS emphasizes innovation, workforce development, and systems-based solutions. With nearly three decades of impact, ABICS continues to transform challenges into opportunities, empowering businesses and communities while building a legacy of sustainable growth and excellence.

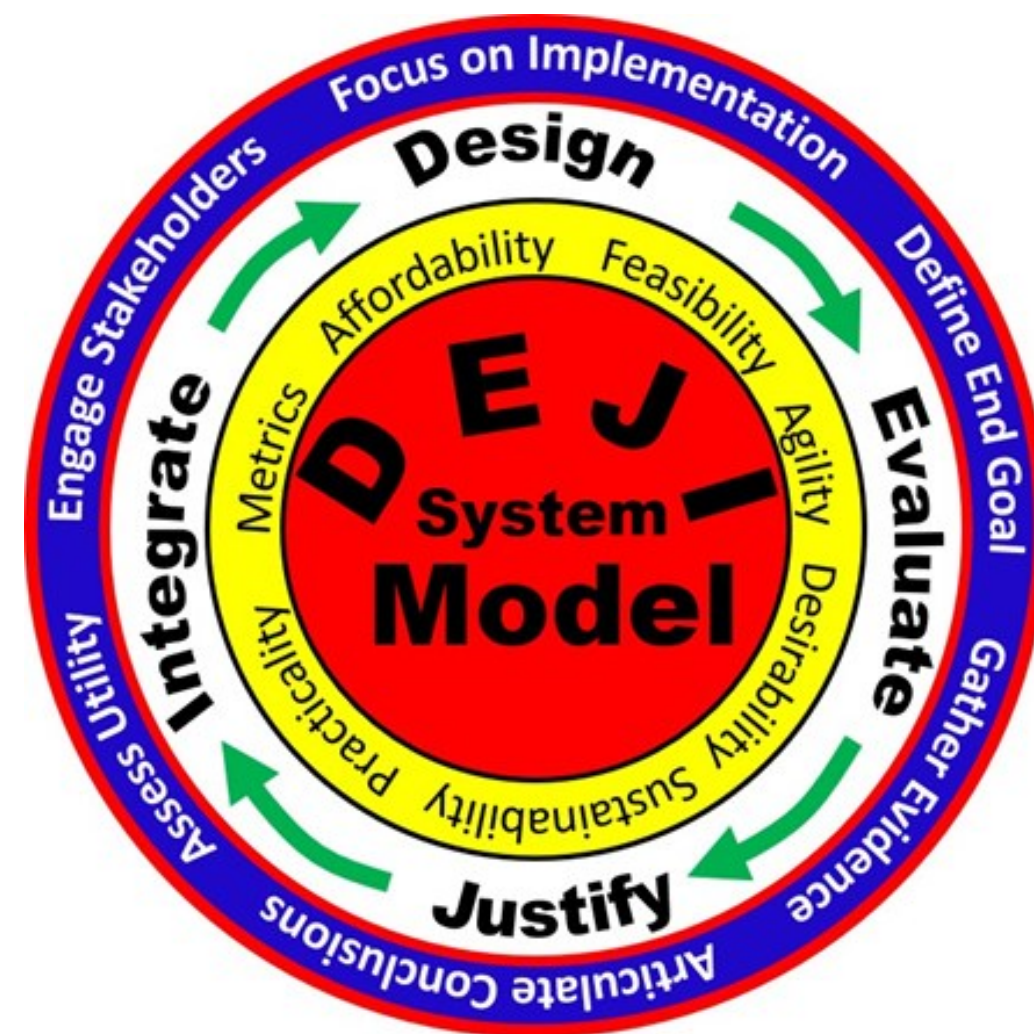
Our Clients

Past Training and Consulting Clients



ExxonMobil **SONY** **OG+[®]E** **HITACHI**

DEJI Model



At the heart of ABICS' consulting and training philosophy is the DEJI Systems Model—Design, Evaluation, Justification, and Integration. Developed by Professor Adedeji Badiru, the model provides a structured framework for solving complex problems, optimizing resources, and ensuring sustainable outcomes. It emphasizes designing effective solutions, critically evaluating options, justifying decisions with evidence, and integrating strategies seamlessly into real-world systems. The DEJI Model has been widely adopted across industries, academia, and government institutions, positioning ABICS as a trusted partner in delivering innovative, systems-based solutions.

Publications

ABICS’ strength is rooted in knowledge and innovation. Our founder, Professor Adedeji B. Badiru, has authored and co-authored numerous internationally recognized books, journal articles, and technical papers covering engineering, systems thinking, leadership, and innovation. These publications serve as valuable resources for industry professionals, academics, and policymakers, reinforcing ABICS’ role as a global knowledge leader and trusted partner for practical solutions.



Pertinent books by the Lead Consultant



Prof. Adedeji Badiru

Lead Consultant, ABICS

Professor Adedeji Badiru is Dean Emeritus of the Graduate School of Engineering and Management at the U.S. Air Force Institute of Technology (AFIT). As Dean, he oversaw the planning, direction, and control of operations related to granting doctoral and master's degrees for the U.S. Air Force. Previously, he served as Professor and Head of Systems Engineering and Management at AFIT, Professor and Department Head of Industrial Engineering at the University of Tennessee, and Professor of Industrial Engineering and Dean of University College at the University of Oklahoma.

Leadership

He is a registered Professional Engineer (PE), a certified Project Management Professional (PMP), and a Fellow of the Institute of Industrial & Systems Engineers (IISE), the Industrial Engineering and Operations Management Society (IEOM), the Institute for Operations Research and Management Science (IORMS), and the Nigerian Academy of Engineering (NAE). He also serves as a Program Evaluator for ABET.

Professor Badiru holds a leadership certificate from the University of Tennessee Leadership Institute. He earned a BS in Industrial Engineering, an MS in Mathematics, and an MS in Industrial Engineering

from Tennessee Technological University, as well as a PhD in Industrial Engineering from the University of Central Florida. His research interests include mathematical modeling, systems design and integration, project management, optimization, innovation management, and productivity improvement.

A prolific author, he has written more than 40 books, 35 book chapters, 145 journal and magazine articles, and delivered over 200 conference presentations. He is a member of numerous professional associations and scholastic honor societies.

Leadership

His many awards include:

- The 2009 Dayton Affiliate Society Council Award for Outstanding Scientists and Engineers, with commendation from the Ohio Senate
- The 2010 ASEE John Imhoff Award for Global Contributions to Industrial Engineering Education
- The 2011 Federal Employee of the Year Award (Managerial Category) from the International Public Management Association
- The 2012 Distinguished Engineering Alumnus Award from the University of Central Florida
- The 2012 IIE Medallion Award for global advancements in the profession
- The 2015 National Public Service Award (Air Force-level winner)
- The 2016 Outstanding Global Engineering Education Award from IEOM
- The 2020 Lifetime Achievement Award from Taylor & Francis
- The 2022 BEYA Career Achievement Award in Government
- The 2024 Donald G. Newnan National Engineering Economy Teaching Excellence Award from ASEE
- The 2024 Tau Beta Pi Distinguished Alumnus Award

Leadership

Professor Badiru has served as a consultant to organizations worldwide and has conducted customized training workshops internationally. He has been a technical project reviewer, curriculum reviewer, and proposal reviewer for institutions such as the National Science Foundation, the United Nations Development Program, and the Social Sciences and Humanities Research Council of Canada. He is the book series editor for the CRC Press/Taylor & Francis Systems Innovation series and serves on the editorial boards of several technical journals.

In 2011, he led a research team to develop analytical models for Systems Engineering Research Efficiency (SEER) for the U.S. Air Force and directed a multi-year,

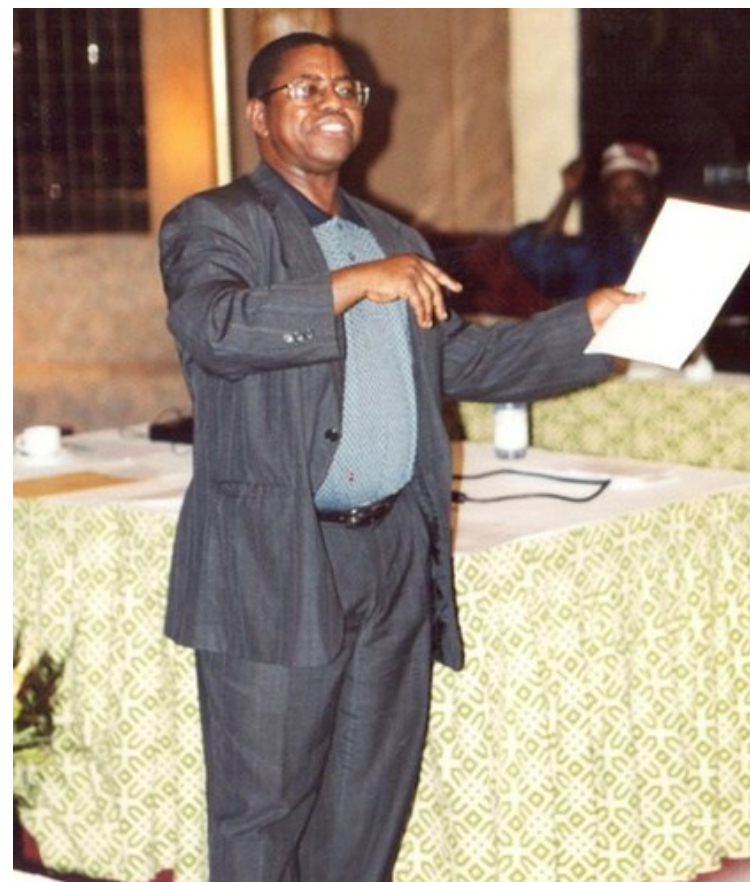
multi-million-dollar research collaboration between AFIT and KBR Aerospace Group.

Beyond academia, Professor Badiru is also a motivational writer, poet, painter, and craftsman. He holds a U.S. trademark for the DEJI Systems Model® for Design, Evaluation, Justification, and Integration, and is a member of the Fulbright Specialists Program. He is President and Managing Partner of ABICS (Adedeji Badiru International Consulting Services).

His professional websites include:

- www.ABICSPublications.com
- www.DEJIModel.com
- www.PhysicsofSoccer.com
- www.ABICS.com

Training Gallery





Contact Us



Email

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Website

www.abics.com



Address

Dayton, Ohio, USA
Dallas, Texas, USA
ABICS Liaison Office,
Abuja, Nigeria.
Lagos, Nigeria

Appendix: Publications

1. Badiru, Adedeji B. (2025), Industrial Engineering Strategy for Constructive Technologies: A Systems-Based Approach for the Global Economy, CRC Press/Taylor and Francis, Boca Raton, FL
2. Badiru, Adedeji B. (2025), Project Management for the Oil and Gas Industry: Agile Systems and Environmental Concerns, , CRC Press/Taylor and Francis, Boca Raton, FL
3. Badiru, Adedeji B. (2025), Project Management for the Oil and Gas Industry: Systems Engineering and Technology, CRC Press/Taylor and Francis, Boca Raton, FL
4. Barlow, Cassie B., Sharon C. Bommer, and Adedeji B. Badiru (2025), Workforce Development for Global Manufacturing and Technology Transfer: An Integrated Systems Approach, CRC Press/Taylor and Francis, Boca Raton, FL
5. Adedeji B. Badiru, Carl R. Hartsfield, and David Liu, Editors (forthcoming 2026), Additive Manufacturing Handbook: Product Development for the Defense Industry, 2nd Edition, CRC Press/Taylor and Francis, Boca Raton, FL
- . Badiru, Adedeji B. (2025), Flexible Supply Chain: Industrial Engineering Optimization Modeling of the Postal Service System, Taylor & Francis CRC Press, Boca Raton, FL.
7. Badiru, Adedeji B. (2024), Systems Engineering: Influencing Our Planet and Re-Engineering Our Actions, Taylor & Francis CRC Press, Boca Raton, FL.
8. Badiru, Adedeji B. and Melinda L. Tourangeau (2024), Assessing Innovation: Metrics, Rubrics, and Standards, Taylor & Francis CRC Press, Boca Raton, FL.
9. Peacock, Brian and Adedeji Badiru (2023), Industrial Engineering in Systems Design: Guidelines, Practical Examples, Tools, and Techniques, Taylor & Francis CRC Press, Boca Raton, FL.
10. Badiru, Adedeji B. and Olumuyiwa S. Asaolu (2023), Handbook of Mathematical and Digital Engineering Foundations for Artificial Intelligence: A Systems Methodology, Taylor & Francis CRC Press, Boca Raton, FL.
11. Badiru, Adedeji B. and Melinda L. Tourangeau (2023), Leadership Matters: Industrial Engineering Framework for Developing and Sustaining Industry, Taylor & Francis CRC Press, Boca Raton, FL.
12. Badiru, Adedeji B. and O. A. Omitaomu (2023), Systems 4.0: System Foundations for Industry 4.0, Taylor & Francis CRC Press, Boca Raton, FL.
13. Badiru, Adedeji B. (2023), Project Management for Scholarly Researchers: Systems, Innovation, and Technologies, Taylor & Francis CRC Press, Boca Raton, FL.
14. Badiru, Adedeji B., Frank Ciarallo, and Eric Mbonimpa (2023), Handbook of Scholarly Publications from the Air Force Institute of Technology (AFIT), Taylor & Francis CRC Press, Boca Raton, FL.
15. Badiru, A. B. (2022), Global Supply Chain: Using Systems Engineering Strategies to respond to Disruptions, Taylor & Francis CRC Press, Boca Raton, FL.
16. Badiru, A. B. and T. Dele Olasiji (2022), Memoirs On Nigeria's Political System and Development (1960 - 2020): Engineering Problem-Solving Framework for the Present and the Future (Impacts on Education, Science, Engineering, Commerce, Industry, and the Future), University of Lagos Press, Lagos, Nigeria

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17. Badiru, A. B. (2023), Systems Engineering Using DEJI Systems Model: Design, Evaluation, Justification, and Integration with Case Studies and Applications, Taylor & Francis CRC Press, Boca Raton, FL.
18. Badiru, A. B. and Gary Lamont (2022), Innovation Fundamentals: Quantitative and Qualitative Techniques, Taylor & Francis CRC Press, Boca Raton, FL.
19. Badiru, A. B. (2022), Artificial Intelligence and Digital Systems Engineering, Taylor & Francis CRC Press, Boca Raton, FL. – With Chinese Translation
20. Badiru, A. B. and Lauralee Cromarty (2021), Operational Excellence in the New Digital Era, Taylor & Francis CRC Press, Boca Raton, FL.
21. Badiru, A. B. (2021), Project Management Essentials: Analytics for Control, Taylor & Francis CRC Press, Boca Raton, FL.
22. Badiru, A. B. and Tina Agustiady (2021), Sustainability: A Systems Engineering Approach to the Global Grand Challenge, Taylor & Francis CRC Press, Boca Raton, FL. Selected as Book-of-the-Month, IISE Magazine, June 2021.
23. Badiru, A. B. (2021), Data Analytics: Handbook of Formulas and Techniques, Taylor & Francis CRC Press, Boca Raton, FL.
24. Badiru, A. B. (2020), Innovation: A Systems Approach, Taylor & Francis CRC Press, Boca Raton, FL. Listed in Qualiware's 52 recommended Enterprise Architecture books from 2020
25. Badiru, A. B. (2019), Project Management: Systems, Principles, and Applications, Second Edition, Taylor & Francis CRC Press, Boca Raton, FL.
26. Badiru, Adedeji B. (2019), Systems Engineering Models: Theory, Methods, and Applications, Taylor & Francis/CRC Press, Boca Raton, FL. – With Chinese Translation
27. Badiru, Adedeji B., Oye Ibidapo-Obe, and Babs J. Ayeni (2019), Manufacturing and Enterprise: An Integrated Systems Approach, Taylor & Francis/CRC Press, Boca Raton, FL.
28. Badiru, Adedeji B., S. Abi Badiru, and I. Ade Badiru, (2019), Mechanics of Project Management: Nuts and Bolts of Project Execution, Taylor & Francis/CRC Press, Boca Raton, FL.
29. Badiru, Adedeji B. (2019), The Story of Industrial Engineering: The Rise from Shop-Floor Management to Modern Digital Engineering, Taylor & Francis/CRC Press, Boca Raton, FL. This book won the 2020 book-of-the-year award from the Institute of Industrial & Systems Engineers.
30. Badiru, Adedeji B. and Cassie B. Barlow, editors (2019), Defense Innovation Handbook: Guidelines, Strategies, and Techniques, Taylor & Francis/CRC Press, Boca Raton, FL. – With Chinese Translation
31. Badiru, Adedeji B. and Sharon C. Bommer (2017), Work Design: A Systematic Approach, Taylor & Francis/CRC Press, Boca Raton, FL
32. Badiru, Adedeji B., Vhance C. Valencia, and David Liu (2017), Additive Manufacturing Handbook: Product Development for the Defense Industry, Taylor & Francis/CRC Press, Boca Raton, FL
33. Badiru, A. B., Christina F. Rusnock, and Vhance V. Valencia (2016), Project Management for Research: A Guide for Graduate Students, Taylor & Francis CRC Press, Boca Raton, FL

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34. Badiru, A. B. and LeeAnn Racz (2016), Handbook of Measurements: Benchmarks for Systems Accuracy and Precision, Taylor & Francis CRC Press, Boca Raton, FL.
35. Badiru, A. B. (2016), Global Manufacturing Technology Transfer: Africa-USA Strategies, Adaptations, and Management, Taylor & Francis CRC Press, Boca Raton, FL.
36. Badiru, A. B. (2014), editor; Handbook of Industrial & Systems Engineering, Second Edition, Taylor & Francis CRC Press, Boca Raton, FL.
37. Badiru, A. B. and LeeAnn Racz (2014), Handbook of Emergency Response: Human Factors and Systems Engineering Approach, Taylor & Francis CRC Press, Boca Raton, FL
38. Badiru, A. B. and S. O. Osisanya (2013), Project Management for the Oil & Gas Industry, Taylor & Francis CRC Press, Boca Raton, FL. – With Chinese Translation
39. Agustiadhy, Tina and Badiru, A. B. (2013), Sustainability: Utilizing Lean Six Sigma Techniques, Taylor & Francis CRC Press, Boca Raton, FL.
40. Badiru, A. B.; Oye Ibidapo-Obe; and B. J. Ayeni (2012), Industrial Control Systems: Mathematical and Statistical Models and Techniques, Taylor & Francis CRC Press, Boca Raton, FL.
41. Badiru, A. B. (2012), Project Management: Systems, Principles, and Applications, Taylor & Francis CRC Press, Boca Raton, FL.
42. Badiru, A. B. and Tina Kovach (2012), Statistical Techniques for Project Control, Taylor & Francis CRC Press, Boca Raton, FL.
43. Badiru, A. B. and O. A. Omitaomu (2011), Handbook of Industrial Engineering Equations, Formulas, and Calculations, Taylor & Francis CRC Press, Boca Raton, FL
44. Badiru, A. B. (2009), STEP Project Management: Guide for Science, Technology, and Engineering Projects, Taylor & Francis CRC Press, Boca Raton, FL
45. Badiru, A. B. and Marlin U. Thomas (2009), editors, Handbook of Military Industrial Engineering, Taylor & Francis CRC Press, Boca Raton, FL, 2009. Selected Book-of-the-Year Award from Institute of Industrial Engineers in 2010
46. Badiru, A. B. (2008), Triple C Model of Project Management: Communication, Cooperation, and Coordination, Taylor & Francis CRC Press, Boca Raton, FL.
47. Badiru, A. B.; Abi Badiru; Ade Badiru (2008), Industrial Project Management: Concepts, Tools, and Techniques, Taylor & Francis CRC Press, Boca Raton, FL, 2008. Selected Book-of-the-Month, ISE Magazine, Institute of Industrial Engineers, December 2008.
48. Badiru, A. B. and O. A. Omitaomu (2007), Computational Economic Analysis for Engineering and Industry, Taylor & Francis CRC Press, Boca Raton, FL.
49. Badiru, A. B. (2006), editor; Handbook of Industrial & Systems Engineering, Taylor & Francis CRC Press, Boca Raton, FL
50. Badiru, A. B. and John Cheung (2002), Fuzzy Engineering Expert Systems with Neural Network Applications, John Wiley & Sons, New York

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51. Badiru, A. B. (1996), Project Management in Manufacturing and High Technology Operations, 2nd edition, John Wiley & Sons, New York
52. Badiru, A. B. (1996), Project Management for Research: A Guide for Engineering and Science, Chapman & Hall, London, UK. Out of Print
53. Badiru, A. B. (1995), Industry's Guide to ISO 9000, John Wiley & Sons, New York
54. Badiru, A. B. and P. S. Pulat (1995), Comprehensive Project Management: Integrating Optimization Models, Management Principles, and Computers, Prentice-Hall, Englewood Cliffs, NJ
55. Badiru, A. B. and B. J. Ayeni (1993), Practitioner's Guide to Quality and Process Improvement, Chapman & Hall, London, UK. Out of Print
56. Badiru, A. B. (1993), Managing Industrial Development Projects: A Project Management Approach, Van Nostrand/John Wiley, New York.
57. Badiru, A. B. (1993), Quantitative Models for Project Planning, Scheduling, and Control, Quorum Books, Greenwood Publishing Company, Westport, Connecticut

58. Badiru, A. B. (1992), Expert Systems Applications in Engineering and Manufacturing, Prentice-Hall, Englewood Cliffs, New Jersey
59. Badiru, A. B. (1991), Project Management Tools for Engineering and Management Professionals, Industrial Engineering & Management Press, Norcross, GA
60. Badiru, A. B. and Gary E. Whitehouse (1989), Computer Tools, Models, and Techniques for Project Management, TAB Professional & Reference Books, Inc., Blue Ridge Summit, PA
61. Badiru, A. B. (1988), Project Management in Manufacturing and High Technology Operations, John Wiley & Sons, New York
62. Badiru, A. B. and Iswat Badiru (1989), Technical and Scientific Word Processing with Lotus Manuscript 2.0, Kern International, Inc., Rockland, MA 1989.
63. Badiru, A. B. and Iswat Badiru (1988), A Complete Guide to Lotus Manuscript 2.0, Kern International, Inc., Rockland, MA, 1988.