

ALBERTO JOSÉ FOSSA

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BASIC

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Brazil

Brazilian, August 3, 1962
Married, 2 children

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FIELDS

- Energy, Sustainability and Policy
- Quality Infrastructure
- Management Systems and Strategy

EMPLOYMENT HISTORY

Degree in electrical engineering, MBA in Innovation, Technology and Knowledge, Master in Energy and Doctor of Sciences, developed a career in command of operations and services, industrial, national and multinational companies in various market segments, notably the energy.

The contents of experience include managing large projects, technology transfer, international development and coordination of strategies involving industry, production, services, implementation, logistics, costs and human resources.

Brings experience in business management (including different management system implementation) of the operating segments of industry and services, from design to strategic planning through development of operational structure, establishment and coordination of multidisciplinary teams, strategic negotiations including goods and services, organizational development of indicators for monitoring and consequent report of operations for top management.

The career is punctuated by three distinct phases.

The first, in which developed and consolidated skills in software development and technology transfer. Started in 1986 as a systems development engineer in E.J.Robba Consulting linked to Polytechnic School of the São Paulo University and later as projects coordinator in support, planning and executing to various Brazilian Electric Companies.

The second phase, started in 1989, comprises concentration of experience in technology development and processes optimization, acting as consulting technology engineer in Alcoa Aluminum, Cable Division, coordinating optimization of industrial processes and structuring costs of activities and production. As a technology manager coordinated the interfaces between market demands and industrial development, and participated in international missions for feasibility of alternative infrastructure development for the segment of electricity and telecommunications in the country.

In the third phase, consolidated experience as business manager. In 1995 established MDJ, the Advisory and Consulting Engineering Company, acting on the segment of organizational management and quality infrastructure including MTSQ (metrology, testing, standards and quality procedures).

Developed projects to implement management systems in several companies in the industrial and service sectors. Participated in strategic developments of operations at companies like Alston, Cegelec, Arecco, CommScope, Schering Plough, Comgas. Developed advice on technology transfer to companies like Nokia, Allgon and International Copper Association.

The current phase of the career began in 2006, participating in the definition and implementation of sectoral strategies (including quality and energy efficiency programs) in the field of infrastructure facilities with the Union of the São Paulo State Industry of Installation - Sindinstalação. Contributed to the development and creation of the Brazilian Association for the Conformity and Efficiency of the Facilities - Abrinstal, where he serves as Executive Director.

During this period, he continued to work in the development of his international career, participating in projects of the United Nations for Industrial Development (UNIDO), representing Latin America in standardization forums in the United States and, as of 2009, representing Brazil in the international forums of Energy Management and Energy Savings of the International Organization for Standardization (ISO). In 2016 assumes the position of Vice-chair in ISO TC301 Energy Management & Energy Savings and the position of director in the World Plumbing Council.

In 2016, he founded NEWEN Creative Engineering, a consultancy that supports activities in the strategic area of energy management and energy savings, and research, development and compliance consultancy for the infrastructure sectors.

PROFESSIONAL EXPERIENCE

2006 to the present – NEWEN Consulting Engineering

National company, working with energy management and energy savings, and research, development and compliance consultancy for the infrastructure sectors.

- Partner - Director

2006 to the present – Abrinstal – Brazilian Association for Conformity & Efficiency in Building Infrastructure

National organization, developing researches and projects related to building systems (gas, water, solar and electricity).

- Executive Director

1995 to 2015 – MDJ Advisory and Consulting Engineering

National company, working with management business consulting and developing of quality infrastructure including MSTQ.

- Partner - Director

1989 to 1995 – ALCOLA ALUMÍNIO – Conductor Division

Multinational company, the segment of manufacturing cables and accessories for electricity and telecommunications

- Superintendent of technology
- Consulting Engineer in technology
- Product Engineer

1986 to 1989 – E.J.ROBBA Consulting

National Consulting Company, segment of the developments in electrical engineering, linked to the Polytechnic Scholl of São Paulo University.

- Systems Development Engineer

EDUCATION

- D.Sc. University of São Paulo - 2012
- M.S. University of São Paulo – 2006
- MBA Extension in Knowledge, Technology & Innovation – Bentley College, MIT e Boston University – USA – 2000
- MBA in Knowledge, Technology & Innovation – University of São Paulo – 1999
- B.A. University of São Paulo – Electrical Engineering - 1985

TRAVEL AND INTERNATIONAL MISSIONS

- Hong Kong – *World Plumbing Council board meeting* – 2016
- Sweden – Work meetings on TC 301 – Energy Management & Energy Savings – acting as Vice-Chair, 2016
- Austria e Russia – R&D energy management programs and energy efficient related to gas industry – 2016
- Polônia – World Plumbing Council – 2016
- Colombia – Energy Management System UNIDO Capacity Building Program – 2016
- Singapore, USA, Colombia – Roadmap for natural gas emergency attendance – 2015
- Germany – World Plumbing Council – 2015
- Egypt – Energy Management System UNIDO Capacity Building Program - 2014
- Ecuador – Energy Management System UNIDO Capacity Building Program – 2013
- Italy, Japan, USA – Roadmap for natural gas distribution system – 2012
- USA – Development of multilateral agreements for the segment of building installations – 2011
- UK, China, USA, South Africa, Ireland, Japan, Chile – Work meetings on TC 242 – Energy Management – since 2009
- Portugal, Germany and Australia – Research and product development in the thermal solar industry – 2009
- Colombia – Research and product development in the sector of gas distribution – 2008
- France and Japan – Research and product development in the sector of gas distribution – 2007
- USA – Work meetings on TC NFPA 54 – National Fuel Gás Code – since 2004
- USA – Work meetings on TC NFPA 58 – Liquefied Petroleum Gases – since 2001
- France – Product development in the gas industry – Comap – 2001
- USA – Product development in the telecommunications industry – CommScope – 2000
- Holland and Finland – Analysis of technology along with the Electrical and Telecommunications sectors – NKF / NK Cables – 1998
- Finland – Analysis of technology along with the Electrical and Telecommunications sectors – Nokia – 1997
- USA – Technology transfer for Electrical and Telecommunications sectors – Alcoa / Elastimold / Hendrix – 1995
- USA – Technology transfer to industries Electrical and Telecommunications – AFL Alcoa Fujjikura – 1994

STANDARDS AND REGULATION

- Vice-Chair and Head of Brazilian delegation – ISO-TC301 Energy Management and Energy Savings since 2016
- Head of Brazilian delegation – ISO-TC242 Energy Management and TC257 Energy Savings since 2009

- Convener of ISO-TC242 WG2 – Metrics on Energy Management since 2012
- Member of TC NFPA 54 – National Fuel Gás Code – USA - since 2001
- Member of TC NFPA 58 – Liquefied Petroleum Gases – USA - since 2001
- Chairman of ABNT CEE116 – Energy management and savings – since 2009
- Chairman of ABNT CB09 CE 402-02 – Gas installations – since 1997
- Chairman of ABNT CB03 CE 014.06 – Distribution Transformers – since 2009
- Chairman of ABNT CB44 CE 44:02 – Copper products installation and use - since 2000
- Member of TC for Energy Efficiency in Buildings labeling program – Brazilian Energy Ministry – since 2010

ORGANIZATIONS

- Board director of the World Plumbing Council – since 2016
- Energy Expert of United Nations Industrial Development Organization (UNIDO) – since 2012
- Executive Director of Brazilian Association for the assessment and efficiency of facilities – Abrinstal – since 2006
- President of Technical Committee of Qualinstal program, representing Abrinstal – since 2003
- Consultant of Sectorial Program form Union Installation Industry of São Paulo - Sindinstalação - since 2003
- Technology and Regulatory Consultant in the International Copper Association - ICA and the Brazilian Institute of the Copper - Procobre - since 1997

ACADEMY

- Researcher at the Institute of the Environment and Energy - IEE, University of Sao Paulo - USP since 2006
- Professor of Management Systems, College Anhembi Morumbi - 2002
- Professor of Power Systems and Projects Power Systems Engineering, School of Sorocaba - 1987 to 1993

ARTICLES AND PUBLICATIONS

- Contributions to the modeling of the conformity assessment system in the construction of building infrastructure for distribution of domestic gas in residential use – thesis – 2012
- Standards and regulations applied to the distribution of natural gas. Senai and ABNT DN - 2010
- A regulatory model for the evaluation of building installations of natural gas – 2008
- Aspects of conformity in the fuel gas market - 5th Brazilian Congress on Regulation – 2007
- Aspects of conformity in the market for fuel gas and the impact on its expansion - dissertation – 2006
- Use of gas for heating water in building installations – 2006
- The impact of quality on the market of NGV and the environment - 2006
- Harmony between the design and installation - The electricity sector – 2006
- Facilities for central stationary LPG – Técnica 86 – 2004
- Qualinstal Program - Accountability and Quality in Electrical Installations – 2004
- Conformity assessment – Newsletter Portal Gás Brasil – São Paulo – 2001
- Replacement of electricity by natural gas in greater demands for residential and commercial use – 2000

MAIN PROJECTS RELATED TO MANAGEMENT SYSTEMS AND ENERGY EFFICIENCY

- Consultancy – United Nations Industrial Development Organization – Energy Management System Capacity Building Program – since 2012

- Consultancy – several Industry and Service Companies – Implementation of Management Systems (Quality, Environmental, Health and Safety, Social Accountability, Energy) – since 1995
- Consultancy – São Paulo Natural Gas Distribution Company – Energy efficiency in buildings and the role of the fuel gases - 2007
- Consultancy – LPG Distributor Ultragas & Sindigás – Energy efficiency in buildings and the role of the fuel gases LPG competitiveness in Brazil as compared with electricity - 2009
- Consultancy – Abrinstal – Qualinstal program coordination – define and establish quality and efficiency requirement for building infrastructure – since 2003

LANGUAGE SKILLS

- Portuguese (mother language)
- English and Spanish (fluent)
- French and Italian (moderate)

January - 2017