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OSCAR ARCE VILLALOBOS

PhD_ Structural Engineer

Structural Engineer with extensive academic and professional experience. He holds a Doctorate in Structural Engineering from Eindhoven University of Technology (Netherlands) and has specialized in advanced structural engineering and seismic-resistant design. His career spans more than five decades and includes senior positions such as School Director, Dean of the School of Engineering, General Manager in international organizations, and Senior Vice President at ITCR, Intel Corporation, and Holcim Costa Rica. He has also actively participated in technical committees of INTECO, served as editor of technical reference publications, and acted as a consultant on infrastructure projects. He has collaborated with boards of directors, including the Costa Rican Chamber of Construction, Costa Rican Chamber of Engineering and Architecture Consultants, Costa Rican Society of Seismic Engineering, and Instituto Americano del Concreto. He served as President of the Costa Rica–Netherlands Foundation and as founder and first president of the Costa Rican Foundation for Science and Technology (CIENTEC), demonstrating his commitment to education, technology, industry, and social development.

ACADEMIC BACKGROUND

- **[1993]** Doctorate in Structural Engineering, Eindhoven University of Technology, Netherlands.
- **[1981]** Specialization in Earthquake-Resistant Engineering, Universidad Nacional Autónoma de México.
- **[1980]** Master's Degree in Advanced Structural Engineering, University of Southampton, United Kingdom.
- **[1975]** Licentiate Degree in Civil Engineering, with emphasis in Structural Engineering, Universidad de Costa Rica.

PROFESSIONAL EXPERIENCE

- **[1971–1974]** Engineering Assistant, Bridges Department, Ministry of Public Works and Transport (MOPT).
- **[1974–1975]** Final Design Coordinator, Bridges Department, MOPT.
- **[1975–1976]** Construction Director, Programa de Asignaciones Familiares, MOPT.
- **[1976–1977]** Engineering Director, Dirección General de Aviación Civil.
- **[1977–1997]** Associate Consultant, Francisco Mas Ingenieros y Arquitectos.
- **[1978–2002]** Professor, School of Engineering and Construction, Instituto Tecnológico de Costa Rica (ITCR).
- **[1978–1979]** Director, School of Construction Engineering, ITCR.
- **[1988–1989]** Vice Rector for Research and Extension, ITCR.
- **[1988]** President, National Council of University Rectors (CONARE).
- **[1984–1997]** Industrial Engineering Research and Development, Corporate Services, Intel Costa Rica.
- **[1997–2000]** General Site Manager, Corporate Services, Intel Costa Rica.
- **[2000–2002]** Operations Excellence Manager, Corporate Services, Intel USA, Philippines, Malaysia, and China.
- **[2003–2006]** Manufacturing Manager, CPU and Chipset Manufacturing Operations, Costa Rica.
- **[2006–2010]** Operations Manager, Holcim S.A.
- **[2010–2012]** General Manager, Holcim S.A. Concrete Products.
- **[2012]** Vice President of Business, Holcim S.A. Concrete Products.

PROFESSIONAL AND INSTITUTIONAL PARTICIPATION

- **[2015]** Member, Board of Directors, Costa Rican Chamber of Industries.
- **[2002]** Member, Corporate Peer Selection Committee, Intel Corporation.
- Member and founding Vice President, CIENTEC Foundation, ITCR.
- Founding Member and Director, CIENTEC – Costa Rican Foundation for Science and Technology.
- **[1989]** Invited Speaker, Foreign Relations Subcommittee of the United States Senate.