

## Carlos Faúndez Estévez

### **Personal details**

Address : El Radal 80, Lo Barnechea, Santiago, Chile  
Date of birth : December 27, 1969  
Marital status : Single  
Nationality : Chilean  
Telephone : +(569) 9824 2796  
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### **Education**

Mechanical Civil Engineer, U. de Chile, Santiago, 2002.

Bachelor in Mechanical Civil Engineer, U. de Chile, Santiago, 1996.

Primary and secondary studies at Saint George's College, Santiago, 1974-1987.

### **Awards and distinctions**

Professional title awarded with Maximum Distinction by U. de Chile. 2002

### **Has experience in the following areas**

Wind farm design, construction, operation and maintenance.

Modelling and forecasting of electricity prices.

Electrical markets.

Wind resource assessments.

Wind farm electrical behavior.

Technical, financial and economic analysis of wind, gas and biomass based generation projects.

Gas turbine for power generation project design.

Transmission line design.

Mechanical and structural design

Electric energy price modelling.

General and rotor aerodynamics

Rotor structural dynamics.

### **Positions**

- 1998- 2003 : Project engineer at Ingendesa (ENDESA Chile)
- 2005-to date : Founder, partner and Director of Consultora Ecoingenieros Ltda., a company dedicated to advance renewable energy projects.
- 2015-to date : Founder, Partner and Director of Eólica El Faro SpA, renewable energy generating company.
- 2015-to date : Technical Manager at Eólica El Faro SpA, renewable energy generating company.

### **Professional activity**

- 2016 Transmision line design for Eólia El Faro
- 2015 Foundation of Eólica El Faro and wind farm design for Eólica El Faro
- 2015 Lagerwey wind turbine manufacturer cooperation agreement.
- 2014 Design of the electrical connection with the grid for Pacífico Wind Farm project.
- 2013 Design of a wind turbine and lead acid battery storage system connected to the national grid.project.
- 2012 Electrical energy prices modelling and Environmental Impact Declaration Pacifico Wind Farm project.
- 2011 Transmission line design for Pacífico Wind Farm project.
- 2010 Lebu Wind Farm expansion, supply of 2 X 1,5 MW wind turbine.
- 2009 Methanex wind farm project design.
- 2009 Lebu Wind Farm start up, connection to the grid and begin of commercial operation.
- 2008-to date Development of Pacifico Wind Farm project, Ecoingenieros Ltda.
- 2008 Development of Bellavista Wind Farm, Sociedad Agrícola Morel Ltda.
- 2007 Lebu Wind Farm first stage, supply of 3 X780 kW and 2 x 600 kW wind turbines.
- 2007 Lebu Wind farm design.
- 2007 Chanco Wind Farm design
- 2006-2008 Wind resource assessment, environmental and economic analysis for Dunas de Chanco Wind Farm, Golden Coast S.A.
- 2005 Ecoingenieros Ltda. foundation.
- 2006-2007 Wind resource assessment, environmental and economic analysis for Chanco Wind Farm.
- 2005 Ecoingenieros Ltda. foundation.
- 2004 Wind farm sites searching.
  
- 2003 Wind energy projects development for ENAP.
- 2002 Rolls Royce gas turbine advisor for combined cycle gas turbines projects.
- 2001 Generating costs assessment using R-R Allison 501 gas turbines, Cooperativa Eléctrica Charrúa.
- 1998- 2002 Project engineer at Ingendesa for gas turbines projects (ENDESA Chile)

## **Languages**

Spanish (native speaker).

English

## **Assistance to seminars and courses**

Second meeting of investors in renewables and CDM. Organised by CORFO. Santiago, November 14-16, 2007.

Wind turbine operation and maintenance. Given by Zhejiang HeWind Co., Ltd. Yueqing, China, September 27- October 1, 2007.

Windfarm performance and micrositing. Given by Comisión Nacional de Energía / Deutsche Gesellschaft für Technische Zusammenarbeit GmbH . Santiago, December 5, 2006.

Climate Change. Organised by U.K. Embassy / Pro-Chile / Corfo / Conama. Santiago, March 21, 2006.

Wind monitoring. Organised by Comisión Nacional de Energía / Deutsche Gesellschaft für Technische Zusammenarbeit GmbH . Santiago, January 30-31, 2006.