

CARR RENEWABLES, LLC

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Curriculum Vitae for Pedro J. López

Education and Licensing

- Master of Science in Physics, Electrical and Electronic, University of Valencia, Spain 1979
- Bachelor of Physical Sciences, University of Valencia, Spain, 1977

Specialized Professional Competencies

- More than 30 years of experience in wind engineering, operations, construction, and services
- Demonstrated capabilities for improvement of enterprise results.
- Developed highly effective global teams and strategies for optimizing operations while emphasizing people safety and equipment reliability.
- Managed budget of more than 400 MM€ while maintaining double-digit EBIT in an organization with 6,000+ people located in 40 countries.
- Strong leadership skills, change adaptability, and drive for innovation.
- Expertise in creation of wind industry best practices.

Professional Experience and Qualifications

- Nov 2017 to present: Renewable Energy Consultant.
 - On-going collaborations with renewable service companies Xabet, Aeroblade and Carr Renewables.
 - Existing clients include Petronor, Repsol Renovables, Acciona Energía, EDPR, AAB, and Alerion.
- Jan 2000 to June 2017: Gamesa (Gamesa Eólica, GIT, GCT)
 - 2000 to 2017 Managing Director of Operation and Maintenance (reported to Gamesa CEO)
 - Created robust and efficient global service organization totaling 6,000+ technicians in 40 countries.
 - Responsible for operation of 20,000 MW of wind turbines worldwide with weighted average availability above 98%.
 - Created service processes, procedures, quality, environment, and training manuals in numerous languages.
 - Developed global, regional, and local dashboards to enable data based decision-making.
 - Established service engineering team with more than 200 experts to support global service activities and resolve customer issues.
 - Developed remote turbine monitoring system that provides real time status of every turbine under contract worldwide.
 - Developed global asset operation procedures.
 - Established planning and monitoring team that managed over 500,000 work orders per year globally.
 - Established supply chain for specialized spare parts and subcontractors worldwide.
 - Established internal logistics network with more than 400 global warehouses and spare parts management system.
 - Developed field activity coordination system for complex tasks that has been

- considered best practice by the renewables health and safety.
 - Developed network of global training centers to support in-person and remote training for 6,000+ technicians in 40 countries.
 - Maintained positive profit margins with EBIT of 18%.
- 2000 to 2005: Director of service and construction (reported to Gamesa Eólica Managing Director). Developed service team capabilities from 200 MW per year in Spain only to 2000 MW per year in 15 countries. Responsible for development of suppliers, auxiliary means (transport and cranes), tools, processes and procedures, logistics, safety indicators, H&S guides, and quality. Adapted SAP module to logistics and construction activities.
 - Jan 1993 to Jan 2000 GES-SIEMSA (Gamesa Group)
 - Director of Operations (Spain East Zone) and Coordinator of Nuclear Services
 - Responsible for 400+ construction and maintenance projects annually.
 - Managed 200 to 1,000 operators annually for the execution of such works.
 - Managed annual budget of approximately 20 MM€ per year.
 - Dec 1985 to Dec 1993 SIREMA (HEMYC Group)
 - Head of Services
 - Manager at the Cofrentes managing equipment of 60 people in maintenance, 30 in design modifications, and up to 400 at plant outage for refueling.
 - Proposals for common stock of equipment. Creation of stocks, definition of the management and storage model.
 - Publication of the management model in the “Sociedad Nuclear Española”.
 - Collaboration with General Electric