

Miguel Angel Porras Acedo

Senior design engineer

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Mechanical Engineer with over 25 years of industry experience, specializing in plastic product development for consumer goods and automotive sectors. Experienced in structural design, tooling, and wind energy test bench design, as well as leading international and multidisciplinary teams. Strong background in manufacturing follow-up, coordinating plant teams and reporting to design teams, with proven problem-solving skills in industrial environments.

Experience

QUEST GLOBAL (2017- today)

GENERAL ELECTRIC

Mechanical Design Engineer at General Electric (via Quest Global), contributing to onshore nacelle and offshore tower design teams. Responsible for auxiliary mechanical systems, including internal nacelle structures and tower platforms, while leading engineering teams and managing suppliers. Served as Design Liaison Engineer for two years, coordinating between design and manufacturing teams on-site. Later led a turnkey GRP cover joint testing project, overseeing the full process from client proposal and supplier management to test bench development and execution of over 100 tests.

HYPERLOOP

Mechanical Lead at HyperloopTT (European program), responsible for defining mechanical specifications of the passengers capsule and station access systems. Led material selection, system requirements, and the definition of subsystems to ensure safe capsule stopping and passenger operations at stations.

INGEDETEC (2014-2017)

SEAT/VOLKSWAGEN

Mechanical Engineer at Ingedetec, working primarily for SEAT at the Martorell Technical Center and company offices. Focused on trunk area validation, designing plastic trims and adapting components across different group models. Also contributed to plastic product development for the vehicle lighting systems.

RDT INGENIEROS (2009-2019)

SOLER & PALAU

Project Manager for domestic ventilation systems at Soler & Palau, responsible for the design of plastic fan units, manufacturing follow-up at production facilities, and execution of product testing.

IDD

Mechanical Design Lead at IDD, responsible for the design of restroom service areas for the AVE MECA project for Talgo. Led the development of full-scale (1:1) mock-ups and the design of ducting for electrical subsystems.

SENER (2007-2008)

AIRBUS

Mechanical Lead for Airbus project, responsible for the design of the engine test structure for the Airbus A400M. Led the mechanical scope within a multidisciplinary team for a facility to be installed at Morón Air Base, Spain.

Additional experience includes working at Roca Sanitario in the bathtubs and furniture departments, developing skills in multi-material design (fibers, wood, stainless steel, ceramics). At Serra Soldadura, gained experience in aeronautical tooling. At Mahle, worked as a plastic product developer in the automotive radiator division. Additionally, spent over five years at Koerner designing sheet metal forming and cutting.

Skills & abilities

Spanish: Native

Catalan: Full professional proficiency

English: Full professional proficiency

German: Basic knowledge (A2)

Software:

NX, CATIA, Solid Edge, Solid Works, Autocad (fluent on all of them)

Others: Deep knowledge on wide range of material, welding,

Education

Degree on Mechanical engineering, Master degree on Renewable energies.