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My professional path has taken me from Computing Engineering (Bachelor' s degree) to Photovoltaic Engineering (Master' s degree); from Mexico City to Berlin. Now, based in Rome since 2017, I work for BayWa r.e. within the SOLAR-TRAIN project, focusing primarily on reliability and performance engineering of utility-scale PV plants.

What in the beginning was a quest for a more interesting job, became a three year-long journey, where applied research and engineering merge in daily work. Being embedded from the very start of the project in an industrial environment, I have been given the chance to develop new technical and soft skills. I have learnt, for example, a foreign language from scratch, to see and analyse technical problems from a wider perspective and to communicate efficiently with professionals at different levels from field technicians to executive managers.



Presenting scientific progress in the most important European conference on PV

Throughout the lifetime of the project I engaged in very diverse dissemination activities, such as co-writing of scientific papers together with my fellow colleagues and active participation in conferences and workshops in the most relevant events of the sector (EU PVSEC, SOPHIA workshop and Inter Solar).

I was also invited to collaborate in the publication of technical best practice guidelines and white papers by industry associations such as the SolarPower Europe and ETIP-PV.

My work in the project was focused on the performance improvement of PV plants for O&M activities, where the following topics were investigated: remote calculation of KPIs, optimization of on-site technical inspections for module quality assessment, impact of degradation and advanced data analysis for automated reporting and diagnosis.

My Solar-Train story

“Only a solar global economy can satisfy the material needs of all mankind and grant us the freedom to guarantee truly universal and equal human rights and to safeguard the world’s cultural diversity.”

Hermann Scheer (1944-2010)

Ever since I became totally aware that the migration to an energy system based on renewable energy was the only way to reach a sustainable world, I have devoted my professional life to solar energy, particularly to Photovoltaics (PV). Being a MSCA fellow has given me the opportunity to consolidate my carrier hand in hand with other 13 young researchers, guided by experts from top industry and academic institutions, across seven European countries.

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