

# An analysis of the Spanish aerospace sector and its transformative enablers: the case of the start-up ecosystem in Madrid.

Morillas-Guerrero, Juan José<sup>1)</sup>

<sup>1)</sup>Universidad Politécnica de Madrid, SPAIN

ORCID 0000-0002-9949-2070

juanjose.morillas@upm.es

## Abstract:

After launching the First Survey on the situation of the Spanish aerospace industry, important results were obtained to delve into the roots of the digital transformation of this sector, focusing on the Madrid region (Spain). From this type of study that had not been carried out until now at the regional level, extremely interesting data have emerged that allow us to define the situation of Madrid companies in the aerospace sector. We have characterized and quantified the influence of what we have called "transformative enablers." These variables have served to determine a map of the state of the regional aerospace industry from the point of view of its shift to digitisation. We have also analysed the relationships with the general characteristics of the companies in the study analysed, such as location, number of employees, legal form, or type of company. We also obtained interesting conclusions about the role of respondents within organizations to discover the 'capillarity' of their situations and thus understand the degree of digital transformation (DT) in terms of whether they achieve the so-called industry 4.0. Finally, we have carried out a monographic study of the situation of recently created companies (<1 year) with disruptive innovations within the start-up ecosystem to understand its definition and scope in the aerospace industry as a precursor of its digital transformation. Up to two pages abstract, including figures and optionally main references