

Framework for Integrated Management Systems 4.0

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ABSTRACT



Integrated Management Systems link a set of processes through the sharing of information, human and financial resources and infrastructure in order to satisfy the needs of different stakeholders.

This work intends to approach the organizational question and intends to study how the Industry 4.0 will affect the existing organizational systems in the companies.

The motivation for the present investigation meets the needs that the Organizations will have with the new paradigm of the Industry, in order to be able to continuously improve their products and/or services. Once trends are outlined, it is possible to anticipate and prepare for the future and consequently increase its efficiency, and this investigation will focus on that (anticipating the reality of Industry 4.0 in Integrated Management Systems, since the normative references have not yet contemplated it).

METHODOLOGY

- Literature review;
- Case studies;
- Questionnaires;
- Interviews;
- Document analysis;
- Direct observation.



MAIN OBJECTIVES



- ❑ Define requirements and externalities of Industry 4.0 from the perspective of Integrated Management Systems;
- ❑ Define and identify the dimensions that will be adopted to characterize it;
- ❑ Define and characterize the different levels that each dimension can assume;
- ❑ Develop a scale, which will classify the readiness of an Integrated Management System in terms of face the challenges posed by the concept of Industry 4.0.

