**Campos OBLIGATORIOS / NAHITAEZ bete beharreko eremuak**

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Título del TFG/TFM / GAL/MALaren izenburua: Análisis del proceso de Industrialización de una máquina en Ingeteam Power Technology, U.P. Paneles

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**Abstract (Resumen de 100-250 palabras)/ Abstract (Laburpena 100-250 hitzetan)**

Apply the process of industrialization that has the company introduced to a particular machine, the PT0085_EU + RE0280 of ACCIONA. Is the treatment that is given to information coming from Energy, headquarters of the company dedicated to I+D and prototyping, to carry a machine able to be performed in series plant.

Furthermore an analysis process that is performed is required to locate some improvement. For this we must take into account both the work performed by the worker himself, as the information reaches the operator. Thus making the process as simple as possible and get the acceptance and approval by the plant operators.

The ultimate goal of this project would be the implementation of these improvements to the current process implemented in the company, checking the effectiveness of the same and well accepted by everyone involved.
**Materias o Palabras Clave (máximo 5) / Gaiak edo hitz gakoak (gehienez 5)**

**Industrialization:** It is to study and produce all necessary documentation for manufacturing equipment, also create different areas of pre-assembly and Main Line generating installation manuals for each task. It is to improve productivity.

**Engineering:** Set of electrical drawings of equipment which are represented all the connections, devices and equipment performance.

**Kit:** is added to be applied to the standard equipment according to customer requirements. They also serve to meet various requirements which will come under the machine. (Temperature, Humidity...)

**Retrofit:** Usually occurs when the documentation is now closed with client but an improvement that must be applied to all equipment is detected and to be included in the series equipment in upcoming change of documentation.

**Converter:** It is one of the most important parts of the team and is responsible for controlling the power of the generator stator for the voltages and currents required for coupling to the electrical line.