Campos OBLIGATORIOS / NAHITAEZ bete beharreko eremuak

<table>
<thead>
<tr>
<th>AÑO / URTEA (20xx):</th>
<th>Trabajo Fin de Grado (TFG) / Gradu Amaierako Lana (GAL) ☒</th>
<th>Trabajo Fin de Máster (TFM) / Master Amaierako Lana (MAL) □</th>
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Título del TFG/TFM / GAL/MALaren izenburua: Elesctrical installation of a winery

Autor (Apellidos, Nombre) / Egilea (Deiturak, izena): Cruz Hernandez, Javier

Director / Zuzendaria: Francisco Javier Bea Montes

Codirector, si existe / Zuzendarikidea, halakorik badago [ ]

UPNA / NUP ☒

Otro (Indicar) / Beste bat (Jarri) [ ]

Inglés / Ingelesa

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

The objective of the present project is the design and calculation of the elements that compose the electrical installation, (the transformation center), as well as the configuration according to the needs of the winery, to be able to carry out the project, according to the norms established by the supplier company and the regulations and official and particular dispositions that have to do with it.

Also, it has the function of exposing before the competent organisms (industry and energy council of La Rioja) that the installation in question satisfies the minimum conditions and guarantees required by the current regulation, in order to obtain the administrative authorization and the execution of the installation, as well as serve as the basis for the execution of the project.

Materias o Palabras Clave (máximo 5) / Gaiak edo hitz gakoak (gehienez 5)

Lighting – Electrical installation - winery