

DESCI



Developing and Evaluating Skills for Creativity and Innovation

Desci Scenarios

Somorrostro



This project has been funded with support from the European Commission

Title of Scenario: Intelligent Grid							
Type of school and school system		Vocational Education and Training- Intermediate VET (upper secondary level) and Higher VET (tertiary level). Multidisciplinary groups.					
Class	*	Age of the students	17-40	Total Duration	8 weeks	Number of hours	240
Short Description		The scenario consists on developing an artificial intelligence system's prototype for controlling the external illumination of a Smart City. The system is in charge of recording information from different parameters that could influence in the illumination control profiles generating a more adequate curve for each situation achieving a comfort state and a good energetic efficiency. This system enables the modification of the illumination profiles adapting them to each moment's necessities, modifying the illumination curve on a daily basis.					
Outputs		The final outputs developed by the students will be the memory/report that all the groups will have to hand in and the final prototype created by each group.					
Stakeholders involved		Producers: <ul style="list-style-type: none"> - Somorrostro's students Final users: <ul style="list-style-type: none"> - Tecuni company, which is in charge of Bilbao's grid, so the municipality of Bilbao will be also a beneficiary of the students' work 					
Environment		The scenario meets the new methodology impulse by the Basque Government in which students have to face and solve problems connected with the real world. The scenario meets the needs demanded by the companies and help the students develop the technical and transversal competences that the companies are looking for in their future workers.					
Objectives		<ul style="list-style-type: none"> • The main objective of this scenario is to let the students have a direct contact with the enterprises and real work environment they will have to face once they finish their studies, letting them acknowledge what the companies are going to expect from them in the near future 					
Key words		Intelligent grid, electricity, informatics, Smart city...					

*2nd year students of Electricity and Electronics & 2nd year students of Informatics Systems