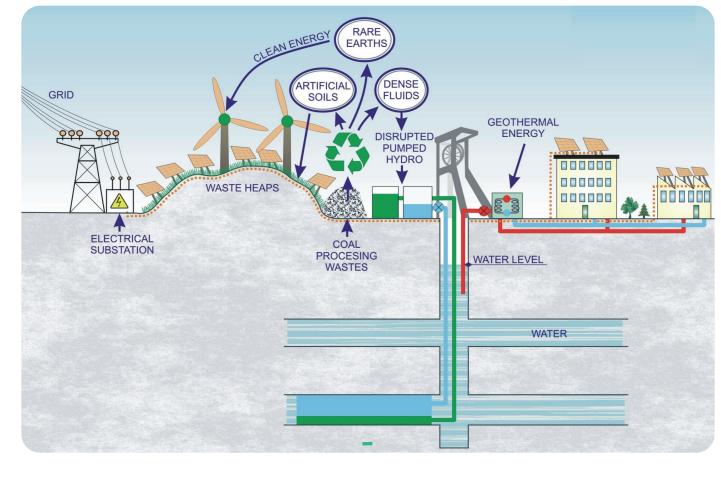
Project aim

GREENJOBS AIMS TO PROVIDE MINING COMPANIES WITH INNOVATIVE BUSINESS PLANS FOR DEVELOPING NEW ACTIVITIES TAKING ADVANTAGE OF THE FORMER MINING INFRAESTRUCTURES. In the framework of the project will be developed a bussiness plan for a Virtual Power

Plant, taking advantage of the mining areas for the production of electricity, and for a Green Hydrogen Plant where renewable hydrogen will be produced by electrolysis of mine water and green electricity.



Partners





OVIEDO (UNIOVI)

Launching of





grupohunosa



Technische Hochschule

December 2022







Oviedo



GreenJOBS project



and administrative matters. The structure of the project was also discussed, as well as the content, responsibilities and deadlines of Work Package 2.

discuss project implementation and

cooperation rules, as well as financial

The case of Hunosa

2nd progress meeting

of GreenJOBS held in



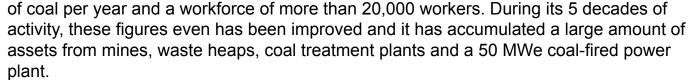
and Materials Engineering of Oviedo,

Spain, to discuss project coordination

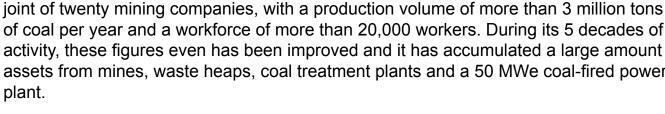
and management, as well as the content, development and work structure of Work Packages 2 and 3. On December the 1st, 2022, two alternative site visits were offered to the Partners: an underground coal mine (Pozo Sotón – HUNOSA), and a geothermal installation (Pozo Barredo –

HUNOSA) and a coal-fired power plant (La Pereda – HUNOSA). Example of energy transition in Asturias.

Asturias is a region with an energy model based on coal and is facing a challenging energy transition process. Their companies are in a similar situation and HUNOSA, the most important mining company in the region, is the best example of this.



grupohunosa



The decarbonisation strategies promoted by

transition from the coal activity.

energy and environmental sectors in recent years.

the European Commission have motivated a deep transformation in the company, turning it towards an energy and environmental services company linked to the need for energy

Based on its human resources and assets, HUNOSA has started new activities in the

In this way, taking advantage of the heat from the mine water, it has developed district

Hulleras del Norte S.A. S.M.E. (HUNOSA) began its operation in 1967, as a result of the

heating systems, with a power that reaches almost 10 MW, from which it supplies heat and cold to urban centers of Mieres and Langreo (the main towns of the mining districts). In addition, in order to harnessing the land for producing biomass, it is also supplying heat to buildings with biomass boilers and it is going to adapt its current coal-fired thermal power station in La Pereda to convert it into a biomass thermal power plant. Along with the adaptation of La Pereda, in the short term the company is contemplating other projects in other areas of activity in the energy sector. In this way, recently it has been approved the construction of a production plant of renewable hydrogen, in which the integration with mining assets is contemplated, for example, the use of the land of a

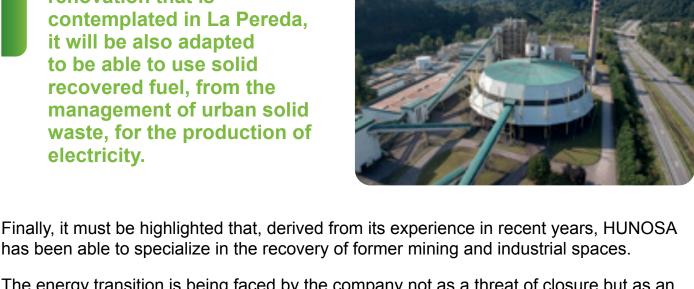
former mine to locate the plant or the harnessing of mine water for the electrolysers.



Another activity that the company intends to develop in the short term is the promotion of photovoltaic parks in former open pit mines or waste heaps for selling to the grid or for supplying energy to the hydrogen production plant. In the field of the environmental sector, HUNOSA has a huge experience in land restoration affected by mining as well as CO₂ capture. In fact, from 2011, the company operates a CO₂ capture plant linked to its coal-fired power plant, developed under the tecnology of calcination/carbonation. Besides, regarding environmental sector, it is also initiating new activities. In this way, it participates in several projects related to study and improve the carbon capture process as well as projects aimed at analysing models of

Furhermore, in the renovation that is contemplated in La Pereda, it will be also adapted to be able to use solid recovered fuel, from the management of urban solid waste, for the production of electricity.

forest management to capture carbon through trees.



has been able to specialize in the recovery of former mining and industrial spaces. The energy transition is being faced by the company not as a threat of closure but as an

opportunity for the future. The activities started and those planned to begin in the short term will allow the company to continue producing energy and providing services adapted to the new energy model.



Views and opinions expressed are those of the GreenJOBS Project or its Partners only and do not necessarily reflect

those of the European Union. Neither the European Union nor the granting authority can be held responsible.

