

BSL3 LABORATORY AT NEIKER

PROJECT VISION

NEIKER is the Basque Institute for Agricultural Research and Development, with different fields of action such as forestry, plant, environmental and animal research, the latter being the one we have focused on for this project. The project to be carried out is a new BioSafety Level 3 laboratory of just over 800 m², one of the largest in the country.

It is a project that has taken 30 months from the first commercial visit to the awarding of the contract and an endless number of revisions that a lot of colleagues have stoically carried out, changing plans and continuously quoting them, preparing all the tender documentation, etc., without whose effort it would not have gone ahead.

The project includes 4 major work areas, large animals, small animals, necropsies and laboratories.

It is a project of great interest to Valtria because it will demonstrate our capacity to undertake critical and complicated projects that will be a national and international benchmark.

CURRENT ARRANGEMENTS

From the signature of the contract we have 12 months for the following activities: Detailed engineering, demolition of the existing facilities, extension of the building and construction of the new BSL3 laboratory, a huge amount of work that will require a great effort from our colleagues in Bilbao and almost certainly we will need as from the beginning of this project a lot of help from the rest of Valtria's colleagues in order to meet a demanding deadline and our level of quality and customer service.

The bulk of the project will be carried out by Santiago Helguera, supported by Koldo, Adrián and many others without whom it will be very difficult to carry it out.

INNOVATIVE TECHNOLOGIES

In this project we helped the client with proposals to improve the energy efficiency of a biosafety laboratory, a disruptive concept with the historical design of this type of facility, but which the new biosafety regulations seek to follow the global movement towards energy efficiency. For this, following the UNE 171400 standard, we have designed a recirculated system in all areas, always maintaining a supply of outside air to achieve good air quality.

The client will also remodel their heating and cooling production by relying on geothermal energy, which will also be a challenge to prepare our installation to work in conjunction with their new system. We ensure that there are high levels of filtration installed in series in the design, which allows us to ensure the safety of the installation as well as cross-contamination between samples.