

GreenTechLab is looking for You!

Field of Study: **Mechatronics**

Traject: **Internship / graduation**

Veal antibiotic measurement system

The agricultural and horticultural world is demanding a controlled environment in order to better guarantee the quality of their products. Antibiotic use is an example of this. There are many advantages and disadvantages of antibiotics. Like the many unnecessary use of antibiotics. GreenTechLab would like to develop a technical solution for this together with its partners.

Context:

Our veal innovation group is looking for a body temperature measurement for calves. The best and fastest way to detect sick veal is through a temperature measurement. However, with our innovation calf group it is impossible to measure and register every calf in the barn in real time or not soon enough. In case of a late diagnosis, the treatment becomes more drastic / heavier for the calf and more expensive for the farmer and there is a risk that the calf will experience problems here.



Assignment:

Develop a system with a direct sensor system, that allows to detect calf illness as soon as possible (think of sensor fusion, like thermal camera's, motion sensors, body temperature, etc.). This will give The veal farmers have a team of managers and their own veterinarian who would like to think along with them about a solution.

You do your internship and graduation at GreenTechLab. GreenTechLab is a technical Expertise Centre with a focus on the synergy between the agro-food sector and technology. This Centre of Expertise has a far-reaching partnership with Fontys Hogeschool Techniek en Logistiek in Venlo (FHTenL), where they are also based. The team consists of 7 specialists with a background in Mechatronics, Mechanical Engineering, Process Engineering, Industrial Product Design and ICT.

We are looking forward to your application!

www.GreenTechLab.nl/vacancies