



convergence

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## Internship

### LocSense and Convergence

LocSense is a spin-off company from the University of Twente which provides electrical detection units to complete innovative health care technologies for product developers and suppliers. Examples are monitoring of cell growth in Organs-on-Chip or counting of cells and droplets in microfluidic devices.

Convergence develops and fabricates customized measurement and control systems for liquids and gases. The modern and user-friendly design of Convergence's custom pilot, combined with an excellent support and product training makes working with a measurement and control system reliable, easy and efficient.

This project is a collaboration between LocSense and Convergence. The student will benefit from the expertise and lab facilities from both companies.

### Assignment

Organs-on-chip are a promising candidate to replace animal studies for testing of medicine compounds and toxicology experiments. This assignment includes the design, fabrication and testing of a culture platform for 2D cell cultures. Within this platform electrodes should be integrated to monitor the growth and potentially activity of the cells. The platform will be used for experiments with e.g. lung cells and heart cells. The assignment can be adjusted to the preferences and level of the candidate.

### Your profile

We are looking for a bachelor or master student in electrical engineering, physics, biomedical engineering or related discipline.



Locsense

### Contact

Questions regarding this positions can be directed to:

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See also [www.locsense.nl](http://www.locsense.nl)

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