

# The IKT Technology – Geißler & Mäck GbR

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## *Company Profile & Available Products*

As a spin-off of the Environmental Physics group of the University of Koblenz-Landau, the small enterprise IKT Technology – Geißler & Mäck GbR (in the next future: Senect GmbH & Co. KG) was founded in September 2013.

With two engineers and one scientist, the company develops and produces electronic systems which are designed for measuring and controlling water quality parameters. Furthermore, due to the embedded wireless data transmission system, the measured parameters can be sent to the user and in case of critical values, the user can be alarmed on a PC or mobile devices. The most important water quality parameters, which are already included in the system are:

- Water level
- Dissolved oxygen
- Temperature
- pH
- ORP (Oxidations-Reduction-Potential)
- Electrical conductivity (→ Salinity)

This system was specifically designed for the use in aquaculture systems, wastewater treatment plants and for scientific studies.

## *Development potential*

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For the proposed project, specific changes in the products features are necessary. Since the hard- and software basis of the system is already established, a new cost-optimized and specially for the proposed application designed version could be developed.

Since the electronic system is capable to communicate with many different sensors, also new sensor types can be integrated.

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