



A monthly newsletter of Africa 4.0 - supported by the Social Impact Lab Bonn

## IN FOCUS

### Start of the test phase

The project "Africa 4.0 will start with the test phase at the beginning of May. This means that every day a future impulse will be sent to at least 1,000 Ghanaian students and evaluated by them.

The first impulse will introduce the precision breeding of insects. The test group will now evaluate this impulse by clicking on one of these three emojis:



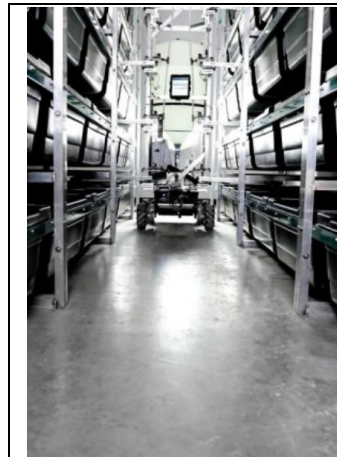
and thus answer the question: "Would this technology solve a problem in my environment?"

The test persons thus also make a statement about the market potential of the technology. Each participant can make a personal comment.

Africa 4.0 then creates a quantitative and qualitative evaluation using its own software with artificial intelligence. How many people have positively evaluated this impulse and which application topics are particularly frequently addressed in the answers.

The test phase will last 3 months, and Africa 4.0 will help to improve the own software as well as to classify the resonance of the test persons.

For the recruitment of the test persons it is important to have a strong partner in Ghana in the test phase as well as in the late implementation phase.



### Precision farming of insects

The American company Aspire uses robotics and automated data collection to grow insect protein on digitized farms. According to the company, insect protein has great potential for becoming a major food source in the future with much less damage to the environment due its limited need for water, land and energy compared to the production of beef protein. The farms are connected via the Internet of Things and can be set up identically at any location, allowing farmers to expect the same yields.

The first future impulse, which will be sent to the test group for evaluation

### Partner COTVET

The Council for Technical and Vocational Education and Training (COTVET) is the best possible local organisation to work alongside Africa 4.0 COTVET was established in 2006 to formulate and coordinate national strategies for skills development at pre- and tertiary education levels, both in the formal and informal sectors of the economy.

### Free participation for companies

For German and European companies, Africa 4.0 offers to evaluate their own technologies for their market potential in Ghana free of charge during the test phase.

One of these companies is AWAS from Wilnsdorf near Siegen. The AWAS International GmbH has been a contact and partner for 40 years.

With the help of a technology impulse, AWAS would like to find out whether its own technology has even greater market potential in Ghana -

and this is also possible in times of Coronavirus SARS-CoV-2.

COTVET is one of the main partners of Africa 4.0



The evaluation of the technology impulses takes only a few seconds



Companies like AWAS test their technology for its market potential

