

## Information for friends and supporters of Ghatronic

The main NEWS are published in [www.ghatronic.com](http://www.ghatronic.com); this is a summary of the eventful last weeks:

Announced first courses were:

First Basic Course: March 18<sup>th</sup> to March 20<sup>th</sup>

First Advanced Course: March 23<sup>rd</sup> to March 26<sup>th</sup>



*first floor: 2 workshops, second floor: 1 seminar room*



*Workshop indoor*

Due to the corona crisis in Germany, the trainer Björn Schleifer of the company Wuerth was unable to come to Accra for the First Advanced Course. Regretfully he had to cancel the course on March 12<sup>th</sup> or rather postpone the course to a later date.

Nevertheless, we initially planned to realise the first courses in Accra because there was no case of Covid 19 disease in Ghana.

Ghatronic Foundation is greatly supported by the Staff of the Department of Mechanical Engineering at Kumasi Technical University and the ATTC (Accra Technical Training Center). From these institutions, two experienced trainers, Mr. Abraham Kyeremeh and Mr. Evans Ato, work closely together with us and they will be Ghatronic Foundation trainers at the beginning.

On Saturday, March 14<sup>th</sup> we had a meeting to discuss the final planning of the courses, the workshop and the seminar room was completely renovated.

With the background that the corona crisis had advanced worldwide, we decided to postpone the courses. The potential of infection would be very high at our courses, since a minimum distance between the participants can often not be assured.

Ghatronic had already received the Application Form from the participants, so the course participants could be informed by email. The postponement of the courses was published on the website.

From Monday 16<sup>th</sup> March all schools, universities and churches in Ghana were closed and right to travel was restricted. Further precautionary measures such as closing the beaches and disinfecting the markets followed.

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Ulrike and Wolfgang were lucky, on March 16<sup>th</sup> it was possible to change the return ticket to Germany to March 18<sup>th</sup> and the voluntary 14-day quarantine ends today, April 2<sup>nd</sup> and good news is that none of our Ghanaian friends has been infected.

We all hope that we can run the courses at the end of the year.

Regards

Your Ghatronic team



**1 Attachment, see below:**

Description: content of first Courses

## **First Basic Course**

18<sup>th</sup> March to 20<sup>th</sup> March 2020 at Ghatronic Foundation (address see below)

The maintenance and repair of modern vehicles today requires much more than just read and delete error codes. Basically, knowledge is the one thing, experiences are the other. A mix of theory and practice will provide you with hardware handling and the possible uses of the diagnostic software. After the theory, you put your newly acquired knowledge directly to the vehicle.

### **Course content:**

- Use of Multimeter
- important fundamentals of electrical connections
- “No-Goes” in car repairing
- Resources of information of data: available downloads, differences, search routines in internet
- Read and clear error codes
- Differences of available diagnosis modules and available downloads
- Safe fault finding through additional measuring techniques (Multimeter)
- Satisfied customers through optimal service and repair process

### **Use of course**

- Time savings through efficient use of the diagnosis and search routines
- Safe fault finding through additional measuring techniques (Multimeter)
- Satisfied customers through optimal service and repair process

## **First Advanced Course**

23<sup>rd</sup> March to 26<sup>th</sup> March 2020 at Ghatronic Foundation (address see below)

Identify customer complaints, interpret symptoms correctly, perform troubleshooting professionally and efficiently.

In our "Advanced Course" you will receive a lot of additional information about the topics mentioned in the basic course. In addition, you will get to know the possibilities of vehicle diagnostics in combination with other measurement technologies (oscilloscope, multimeter, etc.).

### **Course content first day:**

- Basic operation and handling of the diagnostic systems
- Introduction to essential diagnostic functions: vehicle selection, power search, specifications, storage options, and the use of actuator tests and matching
- Optimum use of the diagnostic interface including the flight recorder
- Basic knowledge about the topic of diagnostic procedures

### **Course content following days:**

- Profound application of actuator tests and adjustments
- evaluation of error symptoms and data lists, etc.
- Detailed use of the flight recorder
- Introduction of Oscilloscope measurement (e.g. PicoScope): Presentation, Auto Setup, Automotive Technique button, Evaluation and interpretation of signal images)

### **Use of course**

- More efficiency through optimal use of device functions
- Collect and evaluate the results of the measured data faster
- Faster and deeper fault diagnosis using modern measurement techniques
- Higher customer satisfaction through competent service and repair