Press release

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The Internet of Things with ROBOTICS TXT Smart Home

Into the next dimension with fischertechnik

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The Internet of Things is seen at the next dimension of the internet, and will sustainably influence people's lives in the coming years. By the year 2020, there will be 20.4 billion connected devices in the world, according to a statistic by the market research institution Ganter. fischertechnik has long recognised this trend and is offering a beginner's set with the ROBOTICS TXT Smart Home Set (199.95 Euro, available from June), which makes the Internet of Things comprehensible. The "Made in Germany" toy manufacturer is therefore accompanying the road to the digitalised world and providing playful support in gaining programming skills.

With the ROBOTICS TXT Smart Home construction kit, fischertechnik has once again captured the spirit of the times. The base frame of the stationary sensor stations is assembled with established fischertechnik components and equipped with various actuators and sensors: young constructors can capture every movement in a snapshot using a moveable USB camera. A barometer measures the air pressure, a so-called mould-guard provides information about the humidity and temperature. Is there something in the air or is there room to breathe? A wellness sensor provides information on air quality. A noise sensor and frost guard are also part of the comprehensive high-tech station. A LED-display and alarm signals sound an alert when certain values have been

exceeded, or if the camera has registered movement.

The respective data can be gathered and displayed in a graph. This can also be done from a larger distance, as the ROBOTICS TXT Controller can be connected to a cloud, allowing the data to be accessed from anywhere, at any time. If the models are connected through Wi-Fi, they can also be remote-controlled. The user interface, a so-called “dashboard”, allows the temperature or air quality at home to be checked while on holiday, for example.

The 150-part set contains a new environment sensor, a brightness sensor, a USB camera, two encoder motors, two switches and LEDs.

The software ROBO Pro, the ROBOTICS TXT Controller and the Accu Set or Power Set are required in order to programme and control the sensor station. This opens up countless opportunities for young constructors to manage and programme digital data.

Background information, further tasks and programming tips can be found in the didactic accompanying material, which can be accessed for free through the fischertechnik eLearning Portal.

With the ROBOTICS TXT Smart Home set, fischertechnik enables a simple introduction to the internet’s next dimension.

With the ROBOTICS TXT Smart Home set, fischertechnik enables a simple introduction into the next world of the Internet of Things.

The fischer group of companies

The fischer group of companies, headquartered in Waldachtal in Germany's Northern Black Forest, generated sales of 755 million Euros in 2016 with a worldwide staff of 4,600 employees. The family-owned enterprise operates 46 of its companies in 34 countries and exports to more than 100 countries. It includes the five divisions: fischer fixing systems, fischer automotive systems, fischertechnik, fischer consulting and LNT Automation.

fischer fixing systems is the technological market leader in important areas of fixing technology. fischer offers products that deliver technical perfection to a wide range of customers, from do-it-yourselfers to craftsmen to key account partners.

fischer automotive systems manufactures high-quality parts for car interiors. The company is highly competent in the plastics processing segment and is an important partner for the automotive industry. fischer automotive systems produces air vents, cup holders, trays and multi-function components.

fischertechnik is active both in the construction kit and in the educational toy sector. As one of the last toy makers, fischertechnik develops and produces exclusively in Germany.

fischer consulting evolved from the competence and skills developed in the company itself, among these the fischer ProcessSystem with its central aim of permanent and continuous improvement for the ultimate benefit of the customer. fischer consulting advises small and medium-sized businesses, government agencies and major companies on their way towards lean and efficient processes.

LNT Automation develops and manufactures custom electronic solutions. The company also develops, produces and distributes custom and capacitive touch systems such as multi-touch solutions made of glass and the corresponding controller units. All electronics are manufactured in-house.

www.fischer.group

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