Test laboratory on electromagnetic compatibility, Wireless and IoT devices of TÜV Rheinland, receives accreditation from Anatel

Recognition from the Agency of Telecommunications confirms the quality and technical capacity of the testing center.

Sao Paulo/Brazil - In Sao Paulo, the recently inaugurated laboratory of EMC (Electromagnetic Compatibility), Wireless and IoT Devices of TÜV Rheinland Brazil, subsidiary of one of the largest global groups of certification, inspection, projects management and trainings, received its second accreditation, this time from Anatel (National Agency of Telecommunications). With this new approval, the laboratory extends its scope and moves to conduct tests required by resolutions of the Agency of Telecommunications.

The resistance to electromagnetic disturbances; immunity to fast voltage variations or fast voltage interruptions; and immunity to magnetic fields are examples of new tests in the equipment of Information Technology, telecommunications, electro-electronics, power supplies and battery chargers, between others, that are demanded by Anatel and move to be conducted by the laboratory.

"Although, the lab is already accredited by CGCRE/Inmetro, the authorization by Anatel is also relevant and confirms the quality and technical capability of our laboratory which is in operation with the all reports for certification purposes, officially accepted by the authorities", states Mariano Mercado, General Manager of Certifications in TÜV Rheinland.

With an investment in the order of R$ 3 million, the new lab is the only one in the city of Sao Paulo, which is linked to a certification body and has international recognition due to its edge technological infrastructure. Currently, the market share of TÜV Rheinland Brazil in certification of IoT devices is 5% and with this investment, the expectation is that the market participation reaches the 20% next three years.

The TÜV Rheinland Group has a structure for answer Wireless/IoT requests, whose investments reaches EUR 50 million. Besides the lab inaugurated in Sao Palo, TÜV Rheinland has laboratories addressed to these technologies in several countries like United States, Sweden, Japan, China and India, all of them with state-of-the-art equipment.

The new Brazilian laboratory is prepared for performing tests of compatibility and electromagnetic interference in electro-medical equipment with embedded technology. When an electrical product complies with its technical specifications and regulatory requirements, this does not causes interferences in other equipment, nor in itself as well as it complies with the stipulated immunity levels. "Many of the products suited for being tested in the lab need to be certified and validated by ANATEL. As a first certification body designated by the agency in Brazil, TÜV Rheinland has *expertise*, and now an infrastructure of laboratories that ensures the accuracy and effectiveness of the Certificates issuance and

the evaluations of products", explains Dalmo Macedo Terra, Technical Coordinator of the TÜV Rheinland Laboratory.

The greater demand for IoT Products Testing, which each day is becoming increasingly present in the life of citizens: vehicles, residences, hospitals and companies in general, in conjunction with the lack of a specialized testing center linked to a certification body led to the investment of a new lab in Sao Paulo by TÜV Rheinland.

We have a high demand expectation of testing of these devices whose participation tends to increase in the people's everyday". In this sense, the investment on a lab structure was providential", Igor Martins, business analyst of TÜV Rheinland states.

The new lab joins with a structure of EMC International Laboratories of TÜV Rheinland that expand the attention of the different markets, scopes and needs.

About TÜV Rheinland

The TÜV Rheinland Group is a leader in certifications, inspections, trainings and project management. It was founded in Germany in 1872 with the objective to protect the workers from the accidents occurred in the steam boilers facilities. Since then, the company has specialized in the all type of services related to the quality, technical safety and protection of man and environment.

Currently, the Company employs more than 20 thousand collaborators, generating annual revenues over € 1,9 billion and is present in 69 countries, where more than 200 laboratories are distributed. Its history of 145 years is marked by the reliability, professionalism and independence, looking for a sustainable growth with respect to quality and safety in such a way to overcome the challenges derived from the interaction among the Human Being, Technology and Environment.

In Brazil, the Company has more than eleven thousand active certificates and attends more than 1.500 customers of several sectors. Accredited by ANATEL (Nacional Agency of Telecommunications) of the Ministry of Telecommunications and by CGCRE/INMETRO, TÜV Rheinland plays an important role together with the telecommunications sectors, information technology, electrical appliances, machines, medical and domestic products; food products, automotive industry and automotive parts, between others. Their specialists also have the ability to assess Management Systems, IT processes (Information Technologies) and business in a global manner according to the internationally recognized standards or based on individual performance criteria. With TÜV Rheinland Akademie, the company offers a varied portfolio of courses in different areas, in modern facilities, strategically located throughout Brazil, as well as in customized *in house* trainings aligned with the market trends and focused on the professional excellence.

In the infrastructure area, TÜV Rheinland is a Leader Company in Consulting Engineering and new ventures management in the country and has more than 40 years of experience in big projects in Latin America, developing for the customers, key planning functions, programming, control and supervision of the implementation of the ventures. Website: www.tuv.com